

L.Number	Hits	Search Text	DB	Time stamp
-	1	"6484156"	USPAT; US-PGPUB	2002/12/05 15:21
-	9	"6144375"	USPAT; US-PGPUB	2002/12/03 16:58
-	196	707/512.ccls.	USPAT; US-PGPUB	2002/12/03 17:12
-	9	707/512.ccls. and 707/511.ccls.	USPAT; US-PGPUB	2002/12/04 16:23
-	3076	(annnotat\$5 comment) and server and version	USPAT; US-PGPUB	2002/12/04 16:37
-	0	(annnotat\$5 ) and server and version	USPAT; US-PGPUB	2002/12/04 16:37
-	1421	(annotat\$5 ) and server and version	USPAT; US-PGPUB	2002/12/04 16:38
-	177538	(annotat\$5 ) and server and version video	USPAT; US-PGPUB	2002/12/04 16:38
-	831	(annotat\$5 ) and server and version and video	USPAT; US-PGPUB	2002/12/04 16:39
-	20	(annotat\$5 comment).ti. and server and version and video	USPAT; US-PGPUB	2002/12/04 19:40
-	5	"6173317"	USPAT; US-PGPUB	2002/12/04 19:52
-	47	lopresti.in.	USPAT; US-PGPUB	2002/12/04 19:52
-	0	lopresti.in. and annontat\$5	USPAT; US-PGPUB	2002/12/04 19:53
-	7	lopresti.in. and annotat\$5	USPAT; US-PGPUB	2002/12/04 19:53
-	157	707/512.ccls. and (@ad<19980915 @rlad<19980915)	USPAT; US-PGPUB	2002/12/05 16:52
-	8	707/512.ccls. and (@ad<19980915 @rlad<19980915) and "different format"	USPAT; US-PGPUB	2002/12/05 15:26
-	114	707/512.ccls. and (@ad<19980915 @rlad<19980915) and format	USPAT; US-PGPUB	2002/12/05 16:13
-	830	annotat\$5 and media same format	USPAT; US-PGPUB	2002/12/05 16:16
-	380	annotat\$5 and video same (bit\$1rate\$1 band\$1width\$1)	USPAT; US-PGPUB	2002/12/05 16:17
-	33	(annotat\$5 and format).ti,ab.	USPAT; US-PGPUB	2002/12/05 16:17
-	1	(annotat\$5 and ((different multiple) near5 format)).ti,ab.	USPAT; US-PGPUB	2002/12/05 16:18
-	58	(annotat\$5 same ((different multiple) near5 format))	USPAT; US-PGPUB	2002/12/05 16:19
-	38	(annotat\$5 same ((different multiple) near5 format)) and (@ad<19980915 @rlad<19980915)	USPAT; US-PGPUB	2002/12/05 16:19
-	157	707/512.ccls. and (@ad<19980915 @rlad<19980915)	USPAT; US-PGPUB	2002/12/25 16:40
-	36	707/512.ccls. and (@ad<19980915 @rlad<19980915) and multimedia and server	USPAT; US-PGPUB	2002/12/25 16:49
-	33	707/512.ccls. and (@ad<19980915 @rlad<19980915) and multimedia and server not gupta.in.	USPAT; US-PGPUB	2002/12/26 17:31
-	23	"6006241"	USPAT; US-PGPUB	2002/12/25 17:46
-	1672	gupta.in.	USPAT; US-PGPUB	2002/12/26 17:21
-	17	gupta.in. and annotation	USPAT; US-PGPUB	2002/12/26 17:21
-	32	707/512.ccls. and (@ad<19980915 @rlad<19980915) and multimedia and server not microsoft.as.	USPAT; US-PGPUB	2002/12/26 17:32
-	31	707/512.ccls. and (@ad<19980915 @rlad<19980915) and multimedia and server not microsoft.as. not gupta.in.	USPAT; US-PGPUB	2002/12/26 17:32
-	10	("6144375" "6332144" "6311189" "605185" "5969716" "5893110" "6360234" "6336296" "5809250" "5583980" "6317141").pn.	USPAT; US-PGPUB	2002/12/27 12:31

Set	Items	Description
S1	629104	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	1371962	ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?
S3	11264641	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	1188851	S3(3N)(MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	5013411	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	4138145	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	519332	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	167	S1(5N)S2 AND S4 AND S7
S9	62	(S5 OR S6) AND S8
S10	31	S9 NOT PY>1998
S11	29	S10 NOT PD=19980915:20000915
S12	29	S11 NOT PD=20000915:20010915
S13	29	S12 NOT PD=20010915:20021215
File	8: Ei	Compendex(R) 1970-2002/Dec W1 (c) 2002 Elsevier Eng. Info. Inc.
File	35: Dissertation	Abs Online 1861-2002/Nov (c) 2002 ProQuest Info&Learning
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File	34: SciSearch(R)	Cited Ref Sci 1990-2002/Dec W2 (c) 2002 Inst for Sci Info
File	99: Wilson Appl.	Sci & Tech Abs 1983-2002/Oct (c) 2002 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2002/Dec W1 (c) 2002 FIZ TECHNIK

13/5/1 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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05240227 E.I. No: EIP99034584245

**Title: Fractal engine: an affine video processor core for multimedia applications**

Author: Fatemi, Omid; Panchanathan, Sethuraman  
Corporate Source: Univ of Ottawa, Ottawa, Ont, Can  
Source: IEEE Transactions on Circuits and Systems for Video Technology v 8 n 7 Nov 1998. p 892-908  
Publication Year: 1998  
CODEN: ITCTEM ISSN: 1051-8215  
Language: English  
Document Type: JA; (Journal Article) Treatment: A; (Applications); G;  
(General Review)  
Journal Announcement: 9904W4

Abstract: The recent advances in VLSI technology, high-speed processor designs, **Internet / Intranet** implementations, broad-band networks (ATM and ISDN), and compression standards (JPEG, MPEG, H.261, H.263, and G.273) are leading to the popularity of multimedia applications. Examples include video over the **Internet**, interactive TV, distance learning, telemedicine, and digital libraries. Multimedia refers to a **combination** of **various media types** including **text**, **audio**, two-dimensional (2-D) and three-dimensional (3-D) graphics, animation, images, and video. Visual media (image, video, and graphics) proliferation in multimedia applications demands high-powered compute engines, large storage devices, and high-bandwidth networks for the processing, storage, and transport of image/video data. Visual media processing poses challenges from several perspectives, specifically from the points of view of real-time implementation and scalability. In this paper, we first present an overview and categorization of the various architectural approaches for multimedia processing. The fundamental operations involved in a majority of visual processing tasks are then derived. We propose an affine transform-processor-core-based video processor architecture called fractal engine that is capable of implementing the basic visual processing operations. Fractal engine is an open architecture, and is designed to be modular and scalable, and therefore has the potential to satisfy the heterogeneous computing requirements of the **different media types** in multimedia processing. Details of the individual modules of the fractal engine as well the implementation of the architecture in VHDL are also presented in this paper. (Author abstract) 24 Refs.

Descriptors: \*Video signal processing; Multimedia systems; Fractals; Mathematical transformations; Computer hardware description languages

Identifiers: Video processors; Affine transform; Fractal engine

Classification Codes:

723.1.1 (Computer Programming Languages)

716.4 (Television Systems & Equipment); 723.5 (Computer Applications);

921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory);

921.3 (Mathematical Transformations); 723.1 (Computer Programming)

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software);

921 (Applied Mathematics)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

13/5/2 (Item 2 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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04310221 E.I. No: EIP95122956936

**Title: Design and implementation of heterogeneous distributed multimedia system using Mosaic GSQL**

Author: Magavi, Sunil; Wong, Johnny; Bodla, Prakash  
Corporate Source: Iowa State Univ, Ames, IA, USA  
Source: Software - Practice and Experience v 25 n 11 Nov 1995. p 1223-1241

Publication Year: 1995

CODEN: SPEXBL ISSN: 0038-0644

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 9602W3

**Abstract:** With more and more computer users having access to the **Internet**, it is important for them to access the vast amount of information in an efficient and easy manner. This project explores one of the possibilities for providing an **integrated** system to the user to access the **different types** of media like **text**, image, **audio** and **video** stored in different databases on remote machines without the user having to know about the underlying mechanism involved in accessing the database. Such a system must hide the location of the remote data, retrieve the information, process the results and present it to the user. We have used the National Center for Supercomputer Applications (NCSA) Mosaic's Gateway Structured Query Language (GSQL), which enables a system developer to build input forms, query to the remote database in a relatively easy manner and present the results to the user. With the help of this prototype, the development time to build such an application is considerably reduced as compared with developing the same application using the existing Graphical User Interface (GUI) tools like the X-Window system. (Author abstract) 11 Refs.

**Descriptors:** \*Distributed database systems; Systems analysis; Graphical user interfaces; Interconnection networks; Information retrieval; Data processing; Supercomputers; Query languages

**Identifiers:** Heterogeneous distributed multimedia system; Gateway structured query language; Data transparency; World wide **web**; Hypermedia

**Classification Codes:**

723.3 (Database Systems); 912.3 (Operations Research); 722.2 (Computer Peripheral Equipment); 903.3 (Information Retrieval & Use); 723.2 (Data Processing)

723 (Computer Software); 912 (Industrial Engineering & Management); 722 (Computer Hardware); 903 (Information Science)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT); 90 (GENERAL ENGINEERING)

13/5/3 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01596609 ORDER NO: AAD97-38908

**PROJECT CAPE TOWN: A DESCRIPTION OF THE USE OF A MULTIMEDIA WEB CASE FOR TEACHER EDUCATION (WORLD WIDE WEB, SOUTH AFRICA)**

**Author:** KENT, TODD W.

**Degree:** PH.D.

**Year:** 1997

**Corporate Source/Institution:** UNIVERSITY OF VIRGINIA (0246)

**Source:** VOLUME 58/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2610. 184 PAGES

**Descriptors:** EDUCATION, TECHNOLOGY ; EDUCATION, CURRICULUM AND INSTRUCTION

**Descriptor Codes:** 0710; 0727

This study contains descriptive data on the use of Project Cape Town, a multimedia teaching case located on the World Wide **Web**. Project Cape Town **combines text**, graphics, **audio**, and **video** to describe four "events" taken from four South African schools experimenting with racial integration. I describe the development of Project Cape Town, the patterns of use over a two year period, and how four individuals worked through the case.

Patterns of use from February, 1995, through February, 1997, were derived from server log data. These data indicated that 77 percent of the file accesses emanated from machines located in the United States. People in Canada and South Africa were the most frequent users outside the United States. The resource's video files accounted for nearly half the data flow from the site, and items located higher in the menu hierarchy generally received more accesses than items located deeper in the menu.



Observation and interview data were collected from four participants working through Project Cape Town. The participants were enrolled in an introductory education course; all had some experience with case methodology. Videotaping the participants' actions on the computer screen permitted documentation on the pathway each took through the resource and the time each spent on various components of the case. These data suggested **three** dominant usage **styles**. One participant focused solely on answering the questions provided with the case. Another demonstrated a **more** impulsive, exploratory **style**. Two participants displayed balanced **styles**, **combining** a systematic approach with a willingness to explore.

The interview data focused on patterns of use for seven categories of knowledge found in Project Cape Town. The participants found the four case events interesting and thought provoking. Common patterns of thinking included: analyzing different perspectives represented in the case, formulating actions to resolve dilemmas in the case, and relating case content to personal experience. The media increased the realism of the case; most participants found the non-verbal information valuable. All participants perceived the case questions as helpful in developing their analyses of Project Cape Town.

13/5/4 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01513159 ORDER NO: AADMM-10759

**SCALABILITY IN MEDIA-ON-DEMAND SYSTEMS**

Author: THIRUVENGADAM, KANNAN  
Degree: M.SC.  
Year: 1996  
Corporate Source/Institution: UNIVERSITY OF ALBERTA (CANADA) (0351)  
Adviser: PAWEL GBURZYNSKI  
Source: VOLUME 34/06 of MASTERS ABSTRACTS.  
PAGE 2407. 137 PAGES  
Descriptors: COMPUTER SCIENCE  
Descriptor Codes: 0984  
ISBN: 0-612-10759-0

This work is an exploration of the ways to incorporate scalability in a system that delivers dynamic documents on demand to individual users over a wide area network. Specifically, we address **three types** of scalability.

1. Rate scalability (the ability to control the rate of video according to the requirements of the client), is treated at depth; we suggest three ways of constructing video gateways, two of them compatible with the existing standards.

2. Component scalability is the ability to deliver only those components of the document required by the user; this has two parts: providing optional components and providing alternative components.

A component- and rate-scalable system can therefore be effective in providing an N-ISDN (Narrow-band **Integrated** Services Digital Network) user with **text**, images **audio** and low quality **video**, a B-ISDN (Broadband **Integrated** Services Digital Network) user with all the above with the difference of high quality video, and a modem user with only text and images--all from the same composite document.

3. Content scalability is the ability to deliver the nature and amount of information that the user requires. This quality is of interest to any information provider who wishes to serve users with different interests. We show how object oriented information development, done using hypermedia, can make the content scalable.

In order to illustrate the above points, we have created a prototype of an open learning environment, called CyberSchool, by integrating a continuous media (audio and video) server with the World Wide **Web**.  
(Abstract shortened by UMI.)

13/5/5 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online

01480514 ORDER NO: AADAA-I9614574

**INDIVIDUAL DIFFERENCES IN THE USE OF A HYPERMEDIA LIBRARY INFORMATION SYSTEM**

Author: ZHU, XIAOFENG JOHN

Degree: PH.D.

Year: 1995

Corporate Source/Institution: INDIANA UNIVERSITY (0093)

Adviser: DEBORA SHAW

Source: VOLUME 57/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 11. 152 PAGES

Descriptors: INFORMATION SCIENCE ; LIBRARY SCIENCE

Descriptor Codes: 0723; 0399

Individual differences in the use of information systems have been the subject of considerable research. Many studies have shown that they may have some effects on the use of information systems and that there are indeed different patterns and behavior among different people.

Hypertext is a system for dealing with information in non-traditional ways. Hypertext has nodes and links, and permits the creation of rich networks of links **within** and among documents. Hypermedia links **text**, graphics, image, sound, **video**, and other types of electronic materials, and incorporates them into an accessible computer environment. With the development of information technology, hypermedia may be poised to become one of the most effective tools for processing and distributing information in electronic form.

Very little is known about hypertext's impact on users. With its sophisticated structure and features, hypertext may put more cognitive loads on users. There has not been much research of individual differences in the use of hypermedia systems. Are users ready to approach hypermedia? Are there any differences in using hypermedia systems among different users? How are specific hypermedia features used in operational hypermedia systems?

This study investigated these research questions by designing a hypermedia library information system **integrated** with interactive electronic books, and by analyzing transaction log records of academic library patrons and their responses to an online survey immediately after using the system. It was found that the majority of users responded positively to the system and were able to use the system without much difficulty. They liked and preferred the computer version instead of a potential print **version**, although **some** users felt "lost in hyperspace," a problem often cited in studies of hypertext. Users chose browsing much more often than querying, and used content-based browsing much more often than using an index. Individual differences such as gender, academic status, and library experience have significant effects on use patterns and user attitudes toward the hypermedia system. The findings and the methods used in the current research have great implication on user studies of current hypermedia information systems, such as World Wide **Web** ( **WWW** ) servers and interactive electronic books.

13/5/6 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6408467 INSPEC Abstract Number: C1999-12-7810C-120

**Title: Architecture of an intelligent tutoring system on the WWW**

Author(s): Nakabayashi, K.; Maruyama, M.; Koike, Y.; Kato, Y.; Touhei, H.; Fukuhara, Y.

Author Affiliation: NTT Inf. & Commun. Syst. Labs., Tokyo, Japan

Conference Title: Artificial Intelligence in Education. Knowledge and Media in Learning Systems. Proceedings of AI-ED 97 World Conference on Artificial Intelligence in Education p.39-46

Editor(s): du Boulay, B.; Mizoguchi, R.

Publisher: IOS Press, Amsterdam, Netherlands

Publication Date: 1997 Country of Publication: Netherlands xvi+685 pp.

ISBN: 4 274 90179 3      Material Identity Number: XX-1997-02011

Conference Title: Proceedings of 8th World Conference on Artificial Intelligence in Education

Conference Date: 18-22 Aug. 1997      Conference Location: Kobe, Japan

Language: English      Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This paper presents the architecture of a **WWW**-based intelligent tutoring system (ITS) called CALAT. Using a conventional **WWW** browser on the client, students access CALAT server which provides an individual adaptation capability. The ITS kernel on the CALAT server, employing overlay model, presents the courseware pages so that the student can achieve a learning goal consisting of hierarchical sub-goals. **Three types** of pages are available in the CALAT courseware; explanation, exercise and simulation. Explanation page, presenting a material corresponding to the conceptual learning sub-goals, can be any type of HTML data including plain **text**, image, **audio**, JAVA applet, and/or plug-in application. It is also possible to use the HTML data residing on another **WWW** server as the explanation page. Exercise page is dynamically generated HTML form with advisory voice message. **Three types** of questions, true/false, selection, and description, are available. Each question is associated to the leaning sub-goals, and the answers are analyzed to update the student model. Simulation page provides an interactive simulation environment for the student to get a procedural knowledge on a target(simulated) system. Simulation environment is implemented with the **combination** of a special animation program on the client and a state transition machine on the server. The state transition machine is responsible to control the behavior of the target system as well as to monitor the student's action over the network. The monitored result is also used to update the student model. As the CALAT system is designed to fully exploit the **WWW** standards, its architecture is rather modular. Taking advantage of this modular architecture, further extension of CALAT is also discussed toward component-based ITS. (11 Refs)

Subfile: C

Descriptors: **client - server** systems; courseware; intelligent tutoring systems

Identifiers: intelligent tutoring system; **WWW**; CALAT; CALAT server; **WWW** browser; courseware; interactive simulation environment; animation program

Class Codes: C7810C (Computer-aided instruction); C6150N (Distributed systems software); C6170 (Expert systems and other AI software and techniques)

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13/5/7      (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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6357725      INSPEC Abstract Number: C1999-10-6160M-024

Title: **An archiving system for the retrieval of multimedia meta objects**

Author(s): Baydere, S.; Yesilova, F.

Author Affiliation: Dept. of Inf. & Comput. Sci., Yeditepe Univ., Istanbul, Turkey

Conference Title: Proceedings of the 16th IASTED International Conference. Applied Informatics p.230-3

Editor(s): Hamza, M.H.

Publisher: IASTED/ACTA Press, Anaheim, CA, USA

Publication Date: 1998      Country of Publication: USA      451 pp.

ISBN: 0 88986 250 8      Material Identity Number: XX-1998-01501

Conference Title: Proceedings of 16th IASTED International Conference on Applied Informatics

Conference Sponsor: IASTED

Conference Date: 23-25 Feb. 1998      Conference Location: Garmisch-Partenkirchen, Germany

Language: English      Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This paper presents a content-based addressing and archiving scheme that is suitable for general-purpose **client - server** multimedia

applications. The scheme enables access to still images, video films, text and audio over the Internet by combining multiple multimedia object types to a single meta object type. Meta objects allow the user to reach a document, listen to sounds and watch animations at a single query. The scheme is based on a relevance ranking mechanism in which the results are ordered according to the relevance to the keywords of the query. The system is designed to accommodate fast and efficient access to the most relevant object in a sparsely distributed data pool and it also enables grouping of multimedia objects according to subject. (11 Refs)

Subfile: C

Descriptors: client - server systems; content-based retrieval; distributed databases; information retrieval systems; Internet ; meta data ; multimedia databases; relevance feedback

Identifiers: archiving system; meta object retrieval; multimedia meta objects; content-based addressing; client - server applications; still images; video films; text; audio; Internet ; animations; relevance ranking mechanism; query keywords; sparsely distributed data pool; subject grouping

Class Codes: C6160M (Multimedia databases); C7210N (Information networks) ; C6160B (Distributed databases); C7250 (Information storage and retrieval)

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13/5/8 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6246903 INSPEC Abstract Number: B1999-06-6210R-038, C1999-06-6130M-026

Title: Multimedia content customization for universal access

Author(s): Mohan, R.; Smith, J.R.; Chung-Sheng Li

Author Affiliation: IBM Thomas J. Watson Res. Center, Yorktown Heights, NY, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3527 p.410-18

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3527L:410:MCCU;1-Y

Material Identity Number: C574-1998-293

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Multimedia Storage and Archiving Systems III

Conference Sponsor: SPIE

Conference Date: 2-4 Nov. 1998 Conference Location: Boston, MA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: Content delivery over the Internet , in order to allow universal access, needs to address both the multimedia nature of the content and the capabilities of the diverse client platforms that the content is being delivered to. We present a system that tailors multimedia content to optimally match the capabilities of the client device requesting it. This system has three key components: (1) a representation scheme called the InfoPyramid, (2) a set of transcoders for converting modality or resolution , and ( 3 ) a customizer that selects the best content representation to meet the client capabilities while delivering the most value. The InfoPyramid provides a multi-modal, multi-resolution representation hierarchy for multimedia. The raw content components, such as text , audio , images, video , etc., are ingested by the system into InfoPyramids. Next, the transcoder populates the InfoPyramid structures with multi-resolution, multi-modal versions of the content. The number of possible renditions of the multimedia content is potentially combinatorial in the number of content elements. The customization module uses the client device characteristics as constraints to pick the best content representation. Content value is computed on the basis of publisher preference guidelines and the content transcoding. We illustrate this with a system that deliver news stories customized to diverse clients, such as workstations, PCs, PDAs, cellular phones, pagers, etc. (11 Refs)

Subfile: B C

Descriptors: data structures; **Internet** ; multi-access systems;  
multimedia systems; software portability

Identifiers: multimedia content customization; universal access; content delivery; **Internet** ; client platforms; InfoPyramid; content representation scheme; transcoders; modality conversion; resolution conversion; customizer ; content value; multi-modal multi-resolution representation hierarchy; client device characteristics; publisher preference guidelines; content transcoding; customized news stories

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); B6150E (Multiple access communication); C6130M (Multimedia ); C7210N (Information networks); C6150N (Distributed systems software); C6120 (File organisation)

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13/5/9 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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6096514 INSPEC Abstract Number: B9901-6135C-047, C9901-6160S-015

**Title: Automatic text extraction from video for content-based annotation and retrieval**

Author(s): Jae-Chang Shim; Dorai, C.; Bolle, R.

Author Affiliation: Andong Nat. Univ., South Korea

Conference Title: Proceedings. Fourteenth International Conference on Pattern Recognition (Cat. No.98EX170) Part vol.1 p.618-20 vol.1

Editor(s): Jain, A.K.; Venkatesh, S.; Lovell, B.C.

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998 Country of Publication: USA 2 vol. xlvii+1867 pp.

ISBN: 0 8186 8512 3 Material Identity Number: XX98-02381

U.S. Copyright Clearance Center Code: 1051-4651/98/\$10.00

Conference Title: Proceedings Fourteenth International Conference on Pattern Recognition

Conference Date: 16-20 Aug. 1998 Conference Location: Brisbane, Qld., Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: Efficient content-based retrieval of image and video databases is an important application due to rapid proliferation of digital video data on the **Internet** and corporate intranets. **Text** either **embedded** or superimposed **within video** frames is very useful for describing the contents of the frames, as it enables both keyword and free- **text** based search, automatic **video** logging, and video cataloging. We have developed a scheme for automatically extracting **text** from digital images and **videos** for content **annotation** and retrieval. We present our approach to robust **text** extraction from **video** frames, which can handle complex image backgrounds, deal with **different** font sizes, font **styles** , and font appearances such as normal and inverse video. Our algorithm results in segmented characters that can be directly processed by an OCR system to produce ASCII text. Results from our experiments with over 5000 frames obtained from twelve MPEG video streams demonstrate the good performance of our system in terms of text identification accuracy and computational efficiency. (7 Refs)

Subfile: B C

Descriptors: cataloguing; image segmentation; information retrieval; optical character recognition; video coding; video databases

Identifiers: automatic text extraction; content-based annotation; content-based retrieval; video databases; digital video; free-text based search; keyword based search; automatic video logging; video cataloging; digital images; complex image backgrounds; font sizes; font styles; font appearances; inverse video; segmented characters; ASCII text; OCR system; text identification accuracy; computational efficiency

Class Codes: B6135C (Image and video coding); C6160S (Spatial and pictorial databases); C7250L (Non-bibliographic retrieval systems); C5260B (Computer vision and image processing techniques); C7250R (Information retrieval techniques); C7240 (Information analysis and indexing); C5260D (

13/5/10 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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5858621 INSPEC Abstract Number: C9804-7110-013

**Title: Design and development of a World Wide Web resource site**

Author(s): Milheim, W.D.; Harvey, D.M.

Author Affiliation: Pennsylvania State Great Valley Univ., Malvern, PA, USA

Journal: Educational Technology vol.38, no.1 p.53-6

Publisher: Educational Technology Publications,

Publication Date: Jan.-Feb. 1998 Country of Publication: USA

CODEN: EDTCAW ISSN: 0013-1962

SICI: 0013-1962(199801/02)38:1L.53:DDWW;1-Z

Material Identity Number: E196-98001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** The World Wide Web was designed as a standard for the presentation and delivery of various types of information through a variety of media formats. This set of standards has brought a graphical user interface to the previously text only Internet allowing for the utilization of full color graphics, multiple text styles, and animation and sound (A. Seguin and C. Seguin, 1995). A number of organizations have developed World Wide Web sites designed to support a variety of needs in both educational and corporate environments. While these sites can be categorized in many ways, they generally include organizational home pages (with a variety of available information and resources); computer based instruction sites (including both credit and non credit offerings); Web based resource sites (with specific information, various Web links, and access to software); and numerous combinations of the above categories. The article focuses on the design, development, and maintenance of Web based resource sites developed for specific target audiences. While these sites can vary greatly, they are generally designed to provide support for a specific group of users in a given content area. The case study used in this discussion is a site designed and developed by the authors to support Web based instruction in both corporate and educational settings (<http://www.personal.psu.edu/faculty/wdm2/main.html>); however, the principles described in the article would also be applicable for Web resource sites developed for many other content areas. (5 Refs)

Subfile: C

Descriptors: document handling; educational technology; graphical user interfaces; Internet; multimedia systems

Identifiers: World Wide Web resource site design; media formats; graphical user interface; full color graphics; multiple text styles; animation; sound; corporate environments; educational environments; organizational home pages; computer based instruction sites; Web based resource sites; Web links; Web based instruction; educational settings

Class Codes: C7110 (Educational administration); C7810C (Computer-aided instruction); C7210 (Information services and centres); C6130B (Graphics techniques); C6180G (Graphical user interfaces); C6130M (Multimedia); C6130D (Document processing techniques)

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13/5/11 (Item 6 from file: 2)

DIALOG(R) File 2:INSPEC

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5763716 INSPEC Abstract Number: C9801-6130M-010

**Title: Hypermedia Presentation and Authoring System**

Author(s): Yu, J.; Yuanyuan Xiang

Author Affiliation: DEC Syst. Res. Center, Palo Alto, CA, USA

Journal: Computer Networks and ISDN Systems Conference Title: Comput. Netw. ISDN Syst. (Netherlands) vol.29, no.8-13 p.875-86

Publisher: Elsevier,  
Publication Date: Sept. 1997 Country of Publication: Netherlands  
CODEN: CNISE9 ISSN: 0169-7552  
SICI: 0169-7552(199709)29:8/13L:875:HPAS;1-5  
Material Identity Number: I876-97008  
U.S. Copyright Clearance Center Code: 0169-7552/97/\$17.00  
Conference Title: Sixth International World Wide Web Conference  
Conference Date: 7-11 April 1997 Conference Location: Santa Clara, CA,  
USA

Document Number: S0169-7552(97)00061-5  
Language: English Document Type: Conference Paper (PA); Journal Paper  
(JP)

Treatment: Practical (P)

Abstract: The paper describes the Hypermedia Presentation and Authoring System (HPAS), a **Web** browser with built-in authoring capabilities. In contrast to traditional browsers, it manages time based hypermedia presentations and the associated dynamic spatial layout with respect to time. The system manipulates **various media types** by **embedding** object presenters, editors, and converters, which **combine** to provide transparent operations on hypermedia objects, such as **MPEG videos**, GIF images, rich **text** files, etc. (8 Refs)

Subfile: C

Descriptors: authoring systems; hypermedia; **Internet**; multimedia computing; online front-ends; text editing

Identifiers: Hypermedia Presentation and Authoring System; HPAS; **Web** browser; built-in authoring capabilities; time based hypermedia presentations; dynamic spatial layout; object presenters; transparent operations; hypermedia objects; MPEG videos; GIF images; rich text files

Class Codes: C6130M (Multimedia); C6130D (Document processing techniques); C6115 (Programming support); C6160Z (Other DBMS); C7250N (Search engines); C7210 (Information services and centres)

Copyright 1997, IEE

13/5/12 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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5130392 INSPEC Abstract Number: C9601-6160B-012

**Title: Design and implementation of heterogeneous distributed multimedia system using Mosaic GSQL**

Author(s): Magavi, S.; Wong, J.; Bodla, P.

Author Affiliation: Dept. of Comput. Sci., Iowa State Univ., Ames, IA,  
USA

Journal: Software - Practice and Experience vol.25, no.11 p.1223-41

Publication Date: Nov. 1995 Country of Publication: UK

CODEN: SPEXBL ISSN: 0038-0644

U.S. Copyright Clearance Center Code: 0038-0644/95/111223-19

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: With more and more computer users having access to the **Internet**, it is important for them to access the vast amount of information in an efficient and easy manner. This project explores one of the possibilities for providing an **integrated** system to the user to access the **different types** of media like **text**, image, **audio** and **video** stored in different databases on remote machines without the user having to know about the underlying mechanism involved in accessing the database. Such a system must hide the location of the remote data, retrieve the information, process the results and present it to the user. We have used the National Center for Supercomputer Applications (NCSA) Mosaic's Gateway Structured Query Language (GSQL), which enables a system developer to build input forms, query to the remote database in a relatively easy manner and present the results to the user. With the help of this prototype, the development time to build such an application is considerably reduced as compared with developing the same application using the existing graphical user interface (GUI) tools like the X-Window system. (11 Refs)

Subfile: C

Descriptors: **client - server** systems; distributed databases; graphical user interfaces; **Internet** ; multimedia computing; online front-ends; query processing; SQL

Identifiers: heterogeneous distributed multimedia system; Mosaic GSQL; **Internet** ; video; audio; image database; text; remote machines; National Center for Supercomputer Applications; Mosaic; Gateway Structured Query Language; development time; graphical user interface; X-Window system; distributed database

Class Codes: C6160B (Distributed databases); C6130M (Multimedia); C7250N (Front end systems for online searching); C7210 (Information services and centres)

Copyright 1995, IEE

13/5/13 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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5093790 INSPEC Abstract Number: B9512-6210L-089, C9512-7110-019

**Title: Flexible assignment submission in distance learning**

Author(s): Byrnes, R.; Lo, B.; Dimpleby, J.

Author Affiliation: Southern Cross Univ., NSW, Australia

Conference Title: World Conference on Computers in Education VI WCCE '95 Liberating the Learner. Proceedings of the Sixth IFIP World Conference on Computers in Education, 1995 p.305-15

Editor(s): Tinsley, J.D.; Van Weert, T.J.

Publisher: Chapman & Hall, London, UK

Publication Date: 1995 Country of Publication: UK xvii+1134 pp.

ISBN: 0 412 62670 5

Conference Title: Proceedings of Sixth IFIP World Conference Computers in Education

Conference Date: 23-28 July 1995 Conference Location: Birmingham, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Distance learning students and **internal** students enrolled in any course at Southern Cross University may now take advantage of the flexibility provided by the Assignment Management System. Using this system, students may receive assignment specifications, submit completed assignments in **many formats** ( **text** , graphics, **multimedia** ) and receive marked, **annotated** assignments from their home personal computer or from any networked computer on campus. This easy to use system significantly reduces time delays associated with the conventional assignment return cycle and eliminates the need for paper documents. Instructors avoid the problems associated with managing assignments and record keeping, since these tasks are now automated. The flexibility of this **client server** system encompasses many areas: more time for assignment submission, no restriction on the student's geographical location, flexibility in assignment size and format, marks and grades automatically handled, and flexibility for future system growth to add new features. (8 Refs)

Subfile: B C

Descriptors: **client - server** systems; computer aided instruction; educational administrative data processing; electronic mail

Identifiers: flexible assignment submission; distance learning students; **internal** students; Southern Cross University; Assignment Management System ; assignment specifications; annotated assignments; home personal computer; networked computer; assignment return cycle; record keeping; **client server** system; geographical location; assignment size; grades; future system growth

Class Codes: B6210L (Computer communications); C7110 (Educational administration); C7810C (Computer-aided instruction); C5620L (Local area networks); C6150N (Distributed systems software)

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13/5/14 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00507402 98IT09-039

**RealGood multimedia on the Web -- RealNetworks' RealSystem G2 adds to its impressive array of tools**

Jacso, Peter

Information Today , September 1, 1998 , v15 n8 p46-47, 2 Page(s)

ISSN: 8755-6286

Company Name: RealNetworks

URL: http://www.real.com

Product Name: RealSystem G2

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Geographic Location: United States

MULTIMEDIA MEDLEY column presents a favorable review of RealSystem G2 (\$NA) from RealNetworks. Says the product offers better audio and video quality and many new capabilities. **Notes** RealPlayer Plus G2 enables station presetting and picture contrast, brightness, and saturation control. Adds that two new streaming formats, RealText and RealPix, enable slide shows that **combine** high-resolution images with scrolling text windows, as well as **Web** presentations that incorporate images and offer precise control of timeline, placement, and transition effects. Says RealSystem G2 incorporates **Synchronized** Multimedia Integration Language and uses Stream Smart technology to support **multiple** bit-rates. Concludes, "...the RealNetworks product line paves the way for creating quality multimedia sites by non-programmers with unprecedented ease at an unprecedentedly low price." (JC)

Descriptors: Multimedia; Streaming Audio; Streaming Video; **Web** Page Authoring; **Web** Tools

Identifiers: RealSystem G2; RealNetworks

13/5/15 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00501962 98OL07-013

**TechnoMonitor; Digital watermarking: intellectual property protection for the Internet ?**

Hawkins, Donald T

Online , July 1, 1998 , v22 n4 p91-93, 3 Page(s)

ISSN: 0146-5422

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

TECHNOMONITOR column focuses on the technology of digital watermarking as a means to protect the copyrights of digital information. Notes that digital watermarks can be applied to **different** types of media, and that they can provide hidden security for publishers, music producers and photographers. Explains that digital watermarks are **embedded** into the electronic data, fol naturally occurring variations so as to be undetectable by t Discusses several situations in which digital watermarking is used by major corporations to secure digitized images and **audio** files. **Notes** that watermarks must be incapable of alteration or remo order to be effective and concludes that digital watermarkin significant, although not foolproof, way to deter unauthorized copying of digital materials. Includes one list of references. (kgh)

Descriptors: Image Processing; Security; Copyright; Intellectual Property; Photography; Digital Audio

13/5/16 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00495922 98PM05-011

**Make the move to video -- FutureTel Video Sphinx Pro, Videonics Python, ArcSoft Zipshot**

Kawamoto, Wayne

PC/Computing , May 1, 1998 , v11 n5 p104, 1 Page(s)

ISSN: 0899-1847

Company Name: FutureTel; Videonics; ArcSoft

Product Name: Video Sphinx Pro; Python; Zipshot

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): B; B; B

Geographic Location: United States

Presents a comparative review of external video capture devices. Products reviewed and overall ratings out of five are: Video Sphinx Pro (\$379) from FutureTel (888) - four; Python (\$349) from Videonics (800, 408) - three; and Zipshot (\$99) from ArcSoft (800, 510) - three. Says the Video Sphinx has excellent video and sound quality, but lacks a capture preview.

**Notes** the Python captures high-quality **video** and images, but has limited audio capture. Adds the Zipshot is affordable and is better for still images, since the video is low **resolution** and **somewhat** jerky. Concludes, "Overall, the FutureTel Video Sphinx Pro wins narrowly for its great **combination** of sound and video." Includes one photo, one screen display, and three scorecards. (JC)

Descriptors: Video Processing; **Web** Tools; Benchmark Testing

Identifiers: Video Sphinx Pro; Python; Zipshot; FutureTel; Videonics; ArcSoft

13/5/17 (Item 4 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00441444 96IW11-204

**IBM universal server trumps RDBMS rivals**

Krill, Paul

InfoWorld , November 18, 1996 , v18 n47 p1, 24, 2 Page(s)

ISSN: 0199-6649

Company Name: IBM Corp.

Product Name: DB2 Universal Database

Languages: English

Document Type: Product Announcement

Geographic Location: United States

Reports that IBM will announce plans to integrate multiprocessing, multimedia, and **Web** functionality with the DB2 Universal Database. Explains that this product will **combine** uniprocessor support with functionality from the current DB2 Parallel Edition. Notes that **Version 3** will feature "data extenders," or extensions for **text** , **audio** , **video** , and images, all of which will be included with the main database. Claims that this will put IBM ahead of Informix, which offers separate versions of its OnLine database with uniprocessor, multiprocessor, and parallel support. Suggests that DB2 3.0 will place IBM in the forefront with regard to object-relational support. (jo)

Descriptors: Database; Multiprocessing; IBM; Parallel Processing; **Web** Tools; Multimedia

Identifiers: DB2 Universal Database; IBM Corp.

13/5/18 (Item 5 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00402095 95BY11-008

**Hyper-G organizes the Web : finding what you want on the tangled Web could be much easier with this new, powerful data architecture**

Flohr, Udo

BYTE , November 1, 1995 , v20 n11 p59-64, 4 Page(s)

ISSN: 0360-5280

Company Name: Graz University of Technology

Product Name: Hyper-G

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States; Austria

Focuses on Hyper-G, a second-generation hypermedia information system from the Graz University of Technology in Austria, that attempts to **combine** the advantages of the **Web**, Wide Area Information Service, and Gopher while minimizing their disadvantages. Discusses the suitability of Hyper-G for organizing massive amounts of unstructured data on the **Web**. States that Hyper-G supports tools for structuring, maintaining, and serving heterogeneous multimedia data; it guarantees automatic hyperlink consistency; and it supports hyperlinks among **multimedia** documents, full-**text** retrieval, and client gateways to Gopher and **Web** browsers. Notes that a Hyper-G client contains a component that communicates with the server, plus a number of **internal** viewers for **various** document **types**. States that Hyper-G has a sophisticated authorization mechanism, and calls it a stable, powerful, and available alternative to the **Web**. Includes two diagrams, three screen displays, and one sidebar. (jo)

Descriptors: Hypermedia; World Wide **Web**; **Web** Browsers; Information; Information Retrieval; Data Structures

Identifiers: Hyper-G; Graz University of Technology

13/5/19 (Item 6 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00312898 93MA05-002

**Kaleida puts off release of ScriptX until next spring**

Picarille, Lisa; McManus, Neil

MacWEEK, May 3, 1993, v7 n18 p1, 136, 2 Page(s)

ISSN: 0892-8118

Company Name: Kaleida

Product Name: ScriptX

Languages: English

Document Type: Feature Articles and News

Geographic Location: United States

Reports that Kaleida Labs Inc. has delayed release of the Mac **version** of ScriptX by **more** than six months. The Apple-IBM Corp. **joint** venture will ship both the Macintosh and Windows version of this cross-platform, interactive, **multimedia scripting** language simultaneously in the first quarter of 1994. ScriptX will also run on Apple's Sweet Pea consumer multimedia devices, and will reportedly be the interface between IBM's AIX-based video **server** and **client** IBM PC compatibles. The delay is the result of Kaleida's emphasis on cross-platform; thus the simultaneous release. (FG)

Descriptors: Authoring Systems; Systems Integration; Multimedia; Interface; Macintosh; Window Software

Identifiers: ScriptX; Kaleida

13/5/20 (Item 1 from file: 144)

DIALOG(R) File 144:Pascal

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13942617 PASCAL No.: 99-0125150

**Multimedia content customization for universal access**

**Multimedia storage and archiving systems III : Boston MA, 2-4 November 1998**

MOHAN R; SMITH J R; LI C S

JAY KUO C C, ed; SHIH FU CHANG, ed; SETHURAMAN PANCHANATHAN, ed

IBM T.J. Watson Research Center, PO Box 704, Yorktown Heights, NY 10598, United States

International Society for Optical Engineering, Bellingham WA, United States.

Multimedia storage and archiving systems. Conference, 3 (Boston MA USA) 1998-11-02

Journal: SPIE proceedings series, 1998, 3527 410-418

ISBN: 0-8194-2988-0 ISSN: 1017-2653 Availability: INIST-21760;

354000073152530380

No. of Refs.: 11 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)  
Country of Publication: United States  
Language: English

Content delivery over the **Internet**, in order to allow universal access needs to address both the multimedia nature of the content and the capabilities of the diverse client platforms the content is being delivered to. We present a system that tailors multimedia content to optimally **match** the capabilities of the client device requesting it. This system has three key components: (1) a representation scheme called the InfoPyramid (2) A set of transcoders for converting modality or **resolution**, and (3) a customizer that selects the best content representation to meet the client capabilities while delivering the most value. The InfoPyramid provides a multi-modal, multi-resolution representation hierarchy for multimedia. The raw content components, such as **text**, **audio**, images, **video**, etc., are ingested by the system into InfoPyramids. Next, the transcoder populates the Info Pyramid structures with multi-resolution, multi-modal versions of the content. The number of possible renditions of the multimedia content is potentially **combinatorial** in the number of content elements. The customization module uses the client device characteristics as constraints to pick the best content representation. Content value is computed on the basis of publisher preference guidelines and the content transcoding. We illustrate with a system that deliver news stories customized to diverse clients such as workstations, PCs. PDAs, cellular phones, pagers, etc.

English Descriptors: Information system; Database management system; System architecture; Information storage; Information access; World wide **web**  
French Descriptors: Systeme information; Systeme gestion base donnee;  
Architecture systeme; Stockage information; Acces information; Reseau  
**WWW**

Classification Codes: 001D02B07D

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13/5/21 (Item 2 from file: 144)  
DIALOG(R) File 144:Pascal  
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13902308 PASCAL No.: 99-0082316

**Fractal engine : An affine video processor core for multimedia applications**

**Representation and coding of images and video. I**

FATEMI O; SETHURAMAN PANCH PANCHANATHAN

NGAN King N, ed; PANCHANATHAN Sethuraman, ed; SIKORA Thomas, ed; SUN Ming-Ting, ed

Visual Computing and Communications Laboratory, Department of Electrical and Computer Engineering, University of Ottawa, Ottawa, Ont. K1N 6N5, Canada; Department of Computer Science and Engineering, Arizona State University, Tempe, AZ 85287-5406, United States

University of Western Australia, Nedlands, WA 6907, Australia; Arizona State University, Tempe, AZ 85287, United States; Heinrich-Hertz-Institute, Berlin, Germany; Department of Electrical Engineering, University of Washington, Seattle, WA 98195, United States

Journal: IEEE transactions on circuits and systems for video technology, 1998, 8 (7) 892-908

ISSN: 1051-8215 Availability: INIST-22423; 354000071897240070

No. of Refs.: 24 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United States

Language: English

The recent advances in VLSI technology, high-speed processor designs, **Internet** / **Intranet** implementations, broadband networks (ATM and ISDN), and compression standards (JPEG, MPEG, H.261, H.263, and G.273) are leading to the popularity of multimedia applications. Examples include video over the **Internet**, interactive TV, distance learning, telemedicine, and digital libraries. Multimedia refers to a **combination** of **various** media

types including text , audio , two-dimensional (2-D) and three-dimensional (3-D) graphics, animation, images, and video. Visual media (image, video, and graphics) proliferation in multimedia applications demands high-powered compute engines, large storage devices, and high-bandwidth networks for the processing, storage, and transport of image/video data. Visual media processing poses challenges from several perspectives. specifically from the points of view of real-time implementation and scalability. In this paper, we first present an overview and categorization of the various architectural approaches for multimedia processing. The fundamental operations involved in a majority of visual processing tasks are then derived. We propose an affine transform-processor-core-based video processor architecture called fractal engine that is capable of implementing the basic visual processing operations. Fractal engine is an open architecture, and is designed to be modular and scalable, and therefore has the potential to satisfy the heterogeneous computing requirements of the different media types in multimedia processing. Details of the individual modules of the fractal engine as well the implementation of the architecture in VHDL are also presented in this paper.

English Descriptors: **Integrated** circuit; Image processing; Affine transformation; Fractal; Video signal; Processor; Multimedia; Circuit architecture; Design; Implementation; Vector quantization; Motion estimation

French Descriptors: Circuit integre; Traitement image; Transformation affine; Fractal; Signal video; Processeur; Multimedia; Architecture circuit; Conception; Implementation; Quantification vectorielle; Estimation mouvement

Classification Codes: 001D03F06B

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13/5/22 (Item 3 from file: 144)  
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13896468 PASCAL No.: 99-0076345

**Advanced data compression promises the next big leap in network performance**

**Broadband European networks and multimedia services : Zurich, 18-20 May 1998**

HOLTZ K; HOLTZ E; KALIENKY D

FISCHER Stephan, ed; STEINMETZ Ralf, ed; STUTTGEN Heinrich J, ed; VAN AS Harmen R, ed; VERCELLI Roberto, ed

Omni Dimensional Networks 631 O'Farrell, Suite 1208, San Francisco, CA 94109 - 7427, United States

International Society for Optical Engineering, Bellingham WA, United States.; European Optical Society, Orsay, France.; Commission of the European Communities. Directorate-General for Science, Research and Development, Brussels, Belgium.

SYBEN 98 : Broadband European networks and multimedia services. Conference (Zurich CHE) 1998-05-18

Journal: SPIE proceedings series, 1998, 3408 540-557

ISBN: 0-8194-2860-4 ISSN: 1017-2653 Availability: INIST-21760; 354000070152750570

No. of Refs.: 19 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)

Country of Publication: United States

Language: English

Three recently introduced technologies: a new Autosophy information theory; fast Content Addressable Memories; and Packet Switching protocols, are **combined** in data compression chipsets to improve network throughput with real-time lossless text and image compression. Compared with the cost of putting new cables into the ground or launching new satellites, data

compression chipsets offer a much less expensive alternative for improving the bandwidth of broadband communication networks. Data compression is based on a new Autosophy information theory in which, in contrast to Shannon's theory, communication is determined only by the data content. In addition to high lossless data compression, this also provides virtually unbreakable "codebook" encryption and easier communication via packet switching networks. The Autosophy theories provide eight known classes of self-learning Omni Dimensional Networks. Only the serial network is explained here for use in compressed **text** and **video** communications. A new Content Addressable Read Only Memory (CAROM) may increase data compression **speed** to **more** than 20 Million symbols per second, fast enough for virtually any network speed.

English Descriptors: Image processing; Data compression; Computer network;  
**Internet** ; Information theory; Packet switching  
French Descriptors: Traitement image; Compression donnee; Reseau ordinateur  
; **Internet** ; Theorie information; Commutation paquet; Content  
addressable memory

Classification Codes: 001D02C03; 001D04A05C

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13/5/23 (Item 4 from file: 144)  
DIALOG(R)File 144:Pascal  
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13355837 PASCAL No.: 98-0083376  
**Hypermedia presentation and authoring system**  
YU J; XIANG Y  
DEC Systems Research Center, 130 Lytton Ave., Palo Alto, CA 94301, United  
States; LSI Logic Corporation, 11551 Mccarthy Blvd., Milpitas, CA 95035,  
United States  
International World Wide Web Conference, 6 (Santa Clara, CA USA)  
1997-04-07  
Journal: Computer networks and ISDN systems, 1997, 29 (8-13) 875-886  
ISSN: 0169-7552 CODEN: CNISE9 Availability: INIST-17220;  
354000069617840020  
No. of Refs.: 8 ref.  
Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)  
Country of Publication: Netherlands  
Language: English  
This paper describes the Hypermedia Presentation and Authoring System  
(HPAS), a **Web** browser with built-in authoring capabilities. In contrast  
to traditional browsers, it manages time-based hypermedia presentations and  
the associated dynamic spatial layout with respect to time. The system  
manipulates **various** media **types** by **embedding** object presenters,  
editors, and converters, which **combine** to provide transparent operations  
on hypermedia objects, such as **MPEG videos** , GIF images, rich **text**  
files, etc.

English Descriptors: Telecommunication networks; World wide **web** ;  
**Internet** ; Multimedia; Hypermedia; JAVA language

French Descriptors: Reseau telecommunication; Reseau **WWW** ; **Internet** ;  
Multimedia; Hypermedia; Langage JAVA

Classification Codes: 001D04B03D4

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13/5/24 (Item 5 from file: 144)  
DIALOG(R)File 144:Pascal  
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12911813 PASCAL No.: 97-0178182

**Establishment of a multimedia data storage and dissemination system for earth observation studies**

**Multispectral imaging for terrestrial applications : Denver CO, 8-9 August 1996**

EMCH P G; LURIE J B; NOAH W W

HUBERTY Brian, ed; LURIE Joan B, ed; CAYLOR Julie A, ed; COPPIN Pol, ed; ROBERT Pierre C, ed

TRW Inc., One Space Park, Redondo Beach, CA 90278 , United States  
International Society for Optical Engineering, Bellingham WA, United States.

Multispectral imaging for terrestrial applications. Conference (Denver Co USA) 1996-08-08

Journal: SPIE proceedings series, 1996, 2818 13-18

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Illus.: Illustrations No. of Refs.: 5 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)

Country of Publication: United States

Language: English

Earth observation data is being acquired in increasing quantities, spurring a need for the ability to provide well-documented, organized, and accessible information databases. The collection and conjunctive use of **multiple data types and formats** of differing levels of complexity obtained from a variety of sources requires a sophisticated management system. Users desire a fast, efficient, easy-to-use system with the capacity to archive, associate, and access very **different types** of data. TRW's InfoWeb SUP T SUP M multimedia data storage and dissemination system is being used to organize and maintain not only remotely sensed images, but also associated **text**, photo, **audio**, and **video** information. Pertinent examples include anything from journal articles to videos of biological processes. Information acquired can be tagged with latitude and longitude in the archiving process for subsequent geospatial search and retrieval. The system supports **insertion** of hypertext links, and database browse and query capability. In addition, access to external sources of information can be provided over the **Internet**. A prototype reference database has been developed that illustrates the advantages of the system in facilitating the use of large amounts of multimedia ecosystem data.

English Descriptors: Earth; management; data storage; processes; latitude; data bases; Space remote sensing; airborne methods; cartography

French Descriptors: Planete Terre; Gestion; Stockage donnee; Processus; Latitude; Base donnee; Teledetection spatiale; Methode aeroportee; Cartographie

Classification Codes: 225B04; 224B02; 001E01M04; 001E01J02

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13/5/25 (Item 6 from file: 144)

DIALOG(R) File 144:Pascal

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12379631 PASCAL No.: 96-0026217

**Design and implementation of heterogeneous distributed multimedia system using mosaic GSQL**

MAGAVI S; WONG J; BODLA P

Iowa State univ., dep. computer sci., Ames IA 50011, USA

Journal: Software, practice & experience, 1995, 25 (11) 1223-1241

ISSN: 0038-0644 CODEN: SPEXBL Availability: INIST-14985; 354000058915290030

No. of Refs.: 11 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United Kingdom

Language: English

With more and more computer users having access to the Internet, it is important for them to access the vast amount of information in an efficient and easy manner. This project explores one of the possibilities for providing an **integrated** system to the user to access the **different types** of media like **text**, image, **audio** and **video** stored in different databases on remote machines without the user having to know about the underlying mechanism involved in accessing the database. Such a system must hide the location of the remote data, retrieve the information, process the results and present it to the user. We have used the National Center for Supercomputer Applications (NCSA) Mosaic's Gateway Structured Query Language (GSQL), which enables a system developer to build input forms, query to the remote database in a relatively easy manner and present the results to the user. With the help of this prototype, the development time to build such an application is considerably reduced as compared with developing the same application using the existing Graphical User Interface (GUI) tools like the X-Window system.

English Descriptors: System design; Database management system; Distributed database; Distributed system; Multimedia; Information retrieval; Information access; Query language; Database query; Implementation; Hypermedia; **WWW**

French Descriptors: Conception systeme; Systeme gestion base donnee; Base donnee repartie; Systeme reparti; Multimedia; Recherche information; Acces information; Langage interrogation; Interrogation base donnee; Implementation; Mosaic; GSQL; Hypermedia; **WWW**

Classification Codes: 001D02B07D; 001D02A06; 001D02B03

**13/5/26** (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

06263080 Genuine Article#: YF263 Number of References: 8

**Title: Hypermedia presentation and authoring system**

Author(s): Yu J (REPRINT) ; Xiang YY

Corporate Source: DIGITAL EQUIPMENT CORP, SYST RES CTR, 130 LYTTON AVE/PALO ALTO//CA/94301 (REPRINT); LSI LOG CORP, MILPITAS//CA/95035

Journal: COMPUTER NETWORKS AND ISDN SYSTEMS, 1997, V29, N8-13 (SEP), P 875-886

ISSN: 0169-7552 Publication date: 19970900

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE

Geographic Location: USA

Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology;

Journal Subject Category: TELECOMMUNICATIONS; ENGINEERING, ELECTRICAL & ELECTRONIC; COMPUTER SCIENCE, INFORMATION SYSTEMS

**Abstract:** This paper describes the Hypermedia Presentation and Authoring System (HPAS), a **Web** browser with built-in authoring capabilities. In contrast to traditional browsers, it manages time-based hypermedia presentations and the associated dynamic spatial layout with respect to time. The system manipulates **various media types** by **embedding** object presenters, editors, and converters, which **combine** to provide transparent operations on hypermedia objects, such as **MPEG videos**, **GIF images**, rich **text** files, etc. (C) 1997 Published by Elsevier Science B.V.

Descriptors--Author Keywords: **synchronized** hypermedia/multimedia ; **WWW**

Research Fronts: 95-0490 001 (OPEN DISTRIBUTED HYPERMEDIA; HYPERTEXT MODEL; MULTIMEDIA SERVICES)

95-0673 001 (SPATIAL REASONING; KNOWLEDGE-BASED TEMPORAL ABSTRACTION; UNCERTAIN WORLD; MULTIMEDIA DATA; BLACKBOARD FRAMEWORK; AI PLANNER)

Cited References:

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ALLEN JF, 1983, V26, P832, COMMUN ACM  
BERNERSLEE T, 1996, HYPERTEXT TRANSFER P  
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BORENSTEIN N, 1992, RFC1341 MULT INT MAI  
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LITTLE TDC, 1990, V8, P413, IEEE J SEL AREA COMM  
SCHULZRINNE H, 1996, RFC1889

13/5/27 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

04469284 Genuine Article#: TF231 Number of References: 11

**Title: DESIGN AND IMPLEMENTATION OF HETEROGENEOUS DISTRIBUTED MULTIMEDIA  
SYSTEM USING MOSAIC GSQL**

Author(s): MAGAVI S; WONG J; BODLA P

Corporate Source: IOWA STATE UNIV SCI & TECHNOL, DEPT COMP  
SCI/AMES//IA/50011

Journal: SOFTWARE-PRACTICE & EXPERIENCE, 1995, V25, N11 (NOV), P1223-1241  
ISSN: 0038-0644

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology &  
Applied Sciences

Journal Subject Category: COMPUTER SCIENCE, SOFTWARE, GRAPHICS, PROGRAMMING

**Abstract:** With more and more computer users having access to the **Internet**, it is important for them to access the vast amount of information in an efficient and easy manner. This project explores one of the possibilities for providing an **integrated** system to the user to access the **different types** of media like **text**, image, **audio** and **video** stored in different databases on remote machines without the user having to know about the underlying mechanism involved in accessing the database. Such a system must hide the location of the remote data, retrieve the information, process the results and present it to the user. We have used the National Center for Supercomputer Applications (NCSA) Mosaic's Gateway Structured Query Language (GSQL), which enables a system developer to build input forms, query to the remote database in a relatively easy manner and present the results to the user. With the help of this prototype, the development time to build such an application is considerably reduced as compared with developing the same application using the existing Graphical User Interface (GUI) tools like the X-Window system.

**Descriptors--Author Keywords:** DISTRIBUTED DATABASE ; DATA TRANSPARENCY ;  
HETEROGENEOUS DISTRIBUTED DATABASE SYSTEM ; MOSAIC ; GSQL ; WORLD WIDE  
**WEB** ; MULTIMEDIA ; HYPERMEDIA

**Cited References:**

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WONG J, 1994, V24, P421, SOFTWARE PRACT EXPER  
YOUNG D, 1990, X WINDOW SYSYSTEM PRO

13/5/28 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2002 The HW Wilson Co. All rts. reserv.

1275650 H.W. WILSON RECORD NUMBER: BAST95071528

**Design and implementation of heterogeneous distributed multimedia system  
using Mosaic GSQL**

Magavi, Sunil; Wong, Johnny; Bodla, Prakash

Software: Practice & Experience v. 25 (Nov. '95) p. 1223-41

DOCUMENT TYPE: Feature Article ISSN: 0038-0644 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: The authors outline the design and implementation of a prototype **client - server** model for a Heterogeneous Distributed Multimedia System. A Heterogeneous Distributed Multimedia System is an **integrated** system to give the user access to **different types** of media, such as **text**, image, **audio**, and **video**, stored in various databases on remote machines without the user having to understand the underlying mechanism involved in accessing the database. The prototype model was developed using the National Center for Supercomputer Applications Mosaic's Gateway Structured Query Language, which allows a system developer to build input forms, make queries to the remote database in a relatively simple fashion, and present results to the user. Such a system must conceal the location of the remote data, retrieve the information, process the results, and present the results to the user. Though the same application could be developed using existing graphical user interface tools such as the X-Window system, development time to build the application is considerably reduced with the help of the prototype model.

DESCRIPTORS: Multimedia software; Query languages; Mosaic (Computer programs);

13/5/29 (Item 1 from file: 95)

DIALOG(R) File 95:TEME-Technology & Management  
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00645131 E93023439080

**Large interactive database: design and implementation**

(Grosse interaktive Datenbanken, Entwurf und Implementierung)

Peralta, R; Peralta, A; Vicente, E; Prado, J; Diaz, C

Univ. Nacional Autonoma de Mexico, Cogoacan, Mexico

Image Storage and Retrieval Systems, San Jose, USA, 13-14 February 19921992

Document type: Conference paper Language: English

Record type: Abstract

ABSTRACT:

A database system is being **integrated** in order to store and interactively retrieve information from a several hundred Gbytes optical memory. The low cost, high reliability requirements for the development and maintenance phase of the system suggested a modular design based on a network server, and optical server and some 40 (80386 based) viewing consoles with touch screens, and no keyboard or other controls, since they are exposed to use by the general public. Optical disks store graphics, **video**, stills, **text**, **animation** and **audio** which are accessed through hypertext and interactive graphics whilst a somewhat simple expert analyzes and records data on various aspects of the user, such as general interests, common questions, sociological-educational, background, etc. This information is in turn used to adapt several parameters of information display; rate of flow, language style, number and type of control buttons, degree of detail and others. The large quantity of video, still images and **different graphics formats**, has made it necessary to optimize the information contained via reduction of colors/resolution, compression techniques and recursive use of a basic set of displays and video segments. The paper presents the design in some detail, and general examples of system capabilities, growth and applications.

DESCRIPTORS: CONVERSATIONAL SYSTEMS; DATA BANK; INFORMATION RETRIEVAL SYSTEMS; DATABASE MANAGEMENT SYSTEM; COMPUTER NETWORKS; DISTRIBUTED COMPUTING; OPTICAL MEMORY; OPTICAL DATA CARRIERS; SYSTEMS DESIGN; MICROCOMPUTERS; **CLIENT SERVER** SYSTEMS; INFORMATION SYSTEMS; ACCESS TIME ; DATA STORAGE; INFORMATION NETWORKS  
IDENTIFIERS: grosse Datenbank; Entwurf; Implementierung

Set	Items	Description
S1	130507	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	473637	ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?
S3	1121167	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	420300	S3(3N) (MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	1032434	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	960315	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	117010	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	654	S2(2N) (SHARE OR SHARING OR SHARED)
S9	5860	S1(5N)S2 AND S7
S10	2276	S4(S)S9
S11	528	S10(S)S6
S12	198	S11(S)S5
S13	29	S11 AND IC=G06F-015?
S14	67	S8 AND S10
S15	1	S14 AND IC=G06F-015?
S16	30	S13 OR S15
S17	30	IDPAT (sorted in duplicate/non-duplicate order)
S18	30	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2002/Dec W01		
(c) 2002 European Patent Office		
File 349:PCT FULLTEXT 1979-2002/UB=20021205,UT=20021128		
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18/5/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00954867 \*\*Image available\*\*

**METHODS AND SYSTEMS FOR DISPLAYING MEDIA IN SCALED MANNER AND/OR IN ORIENTATION**

**PROCEDES ET SYSTEMES PERMETTANT D'AFFICHER DES MEDIAS DE MANIERE ECHELONNEE ET/OU EN ORIENTATION**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200288979 A1 20021107 (WO 0288979)

Application: WO 2002US14380 20020502 (PCT/WO US0214380)

Priority Application: US 2001288287 20010502; US 2001296281 20010605; US  
2001296283 20010605; US 2001296273 20010605; US 2001296426 20010605; US  
2001296224 20010605; US 2001296231 20010605; US 2001296284 20010605; US  
2001296327 20010605; US 2001296275 20010605; US 2001296274 20010605; US  
2001296237 20010605; US 2001322922 20010917

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 54163

**English Abstract**

The invention relates to methods, systems, and programming for displaying media in a scaled manner and/or in an orientation other than an operating system displays its graphical user interface. Some embodiments lay out digital content at a virtual pixel resolution and then display a portion of the layout at a smaller display resolution by displaying images and text at scaled-down coordinates and scaled-down sizes, with the display of text being composed from a plurality of font bitmaps having character shapes and pixel alignments selected to improve readability at the scaled-down size. Some embodiments, which operate on computing systems having operating systems that display a graphical user interface in a portrait orientation, display a scaled-down representation of a web page in a landscape orientation, including displaying in such a landscape orientation scaled-down images and scaled-down text composed from a plurality of font bitmaps designed for the scaled-down size.

**French Abstract**

L'invention concerne des procedes, des systemes et des programmes permettant d'afficher des medias de maniere echelonnee et/ou en orientation differant de l'affichage de l'interface graphique d'un systeme d'exploitation. Dans plusieurs modes de realisation, les procedes

consistent a disposer d'un contenu numerique a une resolution de pixel virtuelle et puis a afficher une partie de la disposition a une resolution d'affichage inferieure, par affichage des images et du texte a des coordonnees et dimensions a echelle reduite, l'affichage du texte etant compose a partir d'une pluralite de tables de bits de police possedant des formes de caracteres et des alignements de pixels selectionnes en vue d'ameliorer la lisibilite aux dimensions a echelle reduite. Dans plusieurs modes de realisation, les systemes, mis en oeuvre sur des systemes informatiques comprenant des systemes d'exploitation affichant une interface graphique en orientation portrait, affichent une representation a echelle reduite d'une page web en orientation paysage, par affichage en orientation paysage d'images a echelle reduite et de texte a echelle reduite compose a partir d'une pluralite de tables de bits de police concues pour les dimensions a echelle reduite.

Legal Status (Type, Date, Text)

Publication 20021107 A1 With international search report.

Publication 20021107 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

**18/5/2 (Item 2 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00939367 \*\*Image available\*\*

**AUTOMATIC ALGORITHM GENERATION**

**GENERATION AUTOMATIQUE D'ALGORITHMES**

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45402-2023, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200273521 A2-A3 20020919 (WO 0273521)

Application: WO 2002US7592 20020314 (PCT/WO US0207592)

Priority Application: US 2001275882 20010314; US NONE 20020313

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06K-009/62

International Patent Class: **G06F-015/18**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

English Abstract

Several approaches are provided for designing algorithms that allow for fast retrieval, classification, analysis or other processing of data, with minimal expert knowledge of the data being analyzed, and further, with minimal expert knowledge of the math and science involved in building classifications and performing other statistical data analysis. Further, methods of analyzing data are provided where the information being analyzed is not easily susceptible to quantitative description.

French Abstract

L'invention concerne plusieurs approches d'elaboration d'algorithmes permettant de proceder a des operations rapides d'extraction, de classification, d'analyse ou autre traitement de donnees, avec un minimum de connaissances d'experts des donnees analysees, ou en mathematiques et en sciences impliquees dans l'elaboration de classifications et la realisation d'autres analyses de donnees statistiques. Par ailleurs, l'invention concerne des procedes d'analyse de donnees selon lesquels les informations analysees ne sont pas facilement exposees a la description quantitative.

Legal Status (Type, Date, Text)

Publication 20020919 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20021121 Late publication of international search report

Republication 20021121 A3 With international search report.

Republication 20021121 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

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DIALOG(R)File 349:PCT FULLTEXT

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00927529 \*\*Image available\*\*

**SYSTEM AND METHOD FOR OUT-SOURCING THE FUNCTIONALITY OF SESSION INITIATION  
PROTOCOL (SIP) USER AGENTS TO PROXIES**

**SYSTEME ET PROCEDE POUR IMPARTIR LA FONCTIONNALITE D'AGENTS D'UTILISATEURS  
SIP A DES SERVEURS MANDATAIRES**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2002US4996 20020131 (PCT/WO US0204996)

Priority Application: US 2001774964 20010131

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

English Abstract

Session Initiation Protocol (SIP) is used to communicate with Network-capable appliances (340). In a system employing SIP, a remote user agent client (UAC) sends a message over the Internet via a Proxy server (320) to a user agent server at the location of the appliances (340), e.g., the client's home. This communications channel allows the client to control the appliances and to determine their status. The Proxy server (320) between the UAC and a plurality of UAS processors has the address mapping, authentication, authorization and/or translation functions out-sourced from the UAS processors to the Proxy server (320) connected to them.

French Abstract

Le protocole d'initiation de session (SIP) est utilise pour communiquer avec des appareils (340) connectables a un reseau. Dans un systeme faisant appel au protocole SIP, un client d'agent d'utilisateur (UAC) eloigne envoie un message par Internet par l'intermediaire d'un serveur mandataire (320) a un serveur d'agent d'utilisateur (UAS) a l'emplacement des appareils (340), p. ex. chez le client. Ce canal de communication permet au client de commander les appareils et de determiner leur statut. Le serveur mandataire (320) entre l'UAC et une pluralite de processeurs UAS se voit impartir les fonctions de mise en correspondance d'adresses, d'authentification, d'autorisation et/ou de traduction, externalisees des processeurs UAS audit serveur mandataire (320) connecte a ceux-ci.

Legal Status (Type, Date, Text)

Publication 20020808 A1 With international search report.

Publication 20020808 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

**18/5/4 (Item 4 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00925680 \*\*Image available\*\*

**PROCESS AND SYSTEM FOR MEDIA CREATION AND PUBLISHING**

**PROCEDE ET SYSTEME DE CREATION ET DE PUBLICATION MULTIMEDIA**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200259760 A2-A3 20020801 (WO 0259760)

Application: WO 2001US44367 20011128 (PCT/WO US0144367)

Priority Application: US 2000722735 20001128

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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International Patent Class: G06F-017/21; G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims  
Fulltext Word Count: 6046

English Abstract

A process and system for an integrated enterprise-wide approach to media asset creation, management, publications, distribution and presentation is disclosed. Media presentations are created from one or more media content, for example: audio recordings (111), dynamic images (112), static images (113), and/or text files (14). Creation of one or more media presentations may be a manual and/or automated process. The media presentation may be created with multiple forms of distributions in mind, such as television, net appliances, and/or the internet (150).

French Abstract

L'invention concerne un procede et un systeme d'approche integree dans la totalite d'une entreprise permettant de creer, gerer, publier, distribuer et presenter des contenus multimedia. On cree des presentations multimedia a partir d'au moins un contenu multimedia. La creation d'une presentation multimedia s'effectue au moyen d'un procede manuel et/ou automatique. On peut creer cette presentation en ayant plusieurs formes de distributions en tete (par exemple, television, Internet, etc.).

Legal Status (Type, Date, Text)

Publication 20020801 A2 Without international search report and to be  
republished upon receipt of that report.  
Search Rpt 20021003 Late publication of international search report  
Republication 20021003 A3 With international search report.

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DIALOG(R)File 349:PCT FULLTEXT  
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00914770 \*\*Image available\*\*

**INQUIRY RESPONSE SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE REPONSE A UNE REQUETE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200248896 A1 20020620 (WO 0248896)  
Application: WO 2001US49271 20011217 (PCT/WO US0149271)  
Priority Application: US 2000255800 20001215

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/16**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12534

English Abstract

A system for providing demand responses to inquiries made by information consumers (11) includes a database (17) having a plurality of stored responses (45b) corresponding to inquiries made by an information consumer (11) wherein each of the stored responses (45b) contains at



least one stored item returnable to an information consumer (17) in response to an inquiry. The returnable item of the stored response is of a preferred presentation media type that most effectively presents the returnable item. A real time inquiry response system (13) receives inquiries submitted by information consumers (17) from devices having a communication interface (23). Means are provided for correlating the consumer inquiries received by the real time inquiry responses (13) stored within the database (17). The system further includes device/interface identification (79) means for identifying the communications interface (23) and the communications device. The item of the stored response (155) is returned to a communications device having the communications interface (23) which is compatible with the media type (151) of the item of the stored inquiry (151) response. The media type (155) of a stored item (151) of the inquiry response can further be transformed to a different transformed media type (155) in response to an inquiry requiring the presentation of the item of the stored response in the transformed media type (155).

#### French Abstract

L'invention concerne un systeme permettant de fournir des reponses a des requetes emanant de consommateurs souhaitant des informations (11). Ce systeme comprend une base de donnees (17) presentant une pluralite de reponses stockees (45b) correspondant a des requetes emanant d'un consommateur souhaitant des informations (11), chaque reponse stockee (45b) renfermant au moins un objet stocke pouvant etre transmis a un consommateur souhaitant des informations (17) en reponse a une requete. L'objet pouvant etre transmis de la reponse stockee est d'un type de support de presentation prefere presentant de la maniere la plus efficace l'objet pouvant etre transmis. Un systeme de reponse a une requete en temps reel (13) recoit des requetes soumisees par des consommateurs souhaitant des informations (17) a partir de dispositifs comprenant une interface de communications (23). Des moyens sont prevus pour mettre en correlation les requetes des consommateurs recues par les reponses de requete en temps reel (13) stockees dans la base de donnees (17). Le systeme comprend egalement des moyens d'identification de dispositif/interface (79) permettant d'identifier l'interface de communications (23) et le dispositif de communications. L'objet de la reponse stockee (155) est transmis a un dispositif de communications comprenant l'interface de communications (23) qui est compatible avec le type de support (151) de la reponse de la requete stockee (151) de l'objet. Le type de support (155) d'un objet stocke (151) de la reponse de la requete peut etre ensuite transforme en un autre type de support transforme (155) en reponse a une requete relative a la presentation de l'objet de la reponse stockee dans le type de support transforme (155).

Legal Status (Type, Date, Text)

Publication 20020620 A1 With international search report.

Publication 20020620 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

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DIALOG(R)File 349:PCT FULLTEXT

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00908843 \*\*Image available\*\*

#### A SYSTEM FOR UNIFIED EXTRACTION OF MEDIA OBJECTS

#### SYSTEME D'EXTRACTION UNIFIEE D'OBJETS MEDIA

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200242864 A2-A3 20020530 (WO 0242864)

Application: WO 2001US43305 20011120 (PCT/WO US0143305)

Priority Application: US 2000252273 20001121

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4868

English Abstract

A system and method for extracting information, such as metadata, from a media object, such as a multimedia object or a streaming media object, utilizes a single device (44) to extract the information from a plurality of media objects having different formats. The media object is examined to determine its format (40). The media object is then provided to a multi-format extractor (44), wherein information is extracted from the media object in accordance with the appropriate format. The extracted information is compiled (46) into a singular data structure, such that the format of the universal data structure is compatible with a plurality of media object formats.

French Abstract

L'invention concerne un systeme et un procede d'extraction d'informations, telles que des metadonnees, d'un objet media, tel qu'un objet multimedia ou un objet media en lecture continue, qui utilisent un dispositif unique (44) pour extraire des informations de plusieurs objets media ayant differents formats. L'objet media est examine afin de determiner son format (40). L'objet media est alors fourni a un extracteur multi-format (44), les informations etant extraites de l'objet media en fonction du format approprie. Les informations extraites sont compilees (46) en une structure de donnees unique, de facon que le format de la structure de donnees universelle soit compatible avec differents formats d'objets media (30).

Legal Status (Type, Date, Text)

Publication 20020530 A2 Without international search report and to be republished upon receipt of that report.

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00888153 \*\*Image available\*\*

COMPUTERIZED ADVERTISING METHOD AND SYSTEM

PROCEDE ET SYSTEME DE PUBLICITE INFORMATISEE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200221238 A2-A3 20020314 (WO 0221238)

Application: WO 2001US28265 20010910 (PCT/WO US0128265)

Priority Application: US 2000231404 20000908; US 2000257634 20001221

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18901

English Abstract

Advertising is presented on a computer screen of user monitor (10) in a form of an animated multimedia character that will be referred to here as a "Shoshkele"sup"TM" stored in the shoshkele web server (W). The shoshkele appears on the screen of the use monitor (10) in an intrusive way at times which, to the user, are unpredictable, and it is entirely out of his control. the shoshkele can move over the entire screen of the user monitor (20) and is in the top layer of the display of the browser program, so it is not covered up by any window or object. It can also provide sound, including speech, music and sound effects stored in database (20) so that based on that data, the dynamic page content generator (3) can generate a dynamic web page with shoshkele and its entertainment value to draw user's attention.

French Abstract

Selon la presente invention, des publicites sont presentees sur un ecran d'ordinateur sous la forme d'une forme multimedia animee que l'on appellera ici "Shoshkele"sup"TM". Shoshkele"sup"TM apparait sur l'ecran d'une maniere intrusive a des moments ou l'utilisateur ne s'y attend pas, et ceci est entierement independant de son controle. Shoshkele"sup"TM peut se deplacer sur l'ecran tout entier et se trouve sur la couche superieure de l'affichage du programme de navigateur, ainsi il ne peut etre camoufle par aucune fenetre et aucun objet. Il peut egalement produire du son, comprendre de la voix, de la musique et des effets sonores. L'apparition sporadique de Shoshkele"sup"TM et son aspect divertissant attirent l'attention de l'utilisateur. La forme Shoshkele"sup"TM est produite grace a un code executable fourni a l'ordinateur, ledit code executable etant determine par quel autre code executable est disponible sur l'ordinateur. Le concept publicitaire de la presente invention et Shoshkele"sup"TM peuvent etre mis en place avec la technologie existante.

Legal Status (Type, Date, Text)

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Republication 20020425 A3 With international search report.  
Republication 20020425 A3 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.  
Examination 20020627 Request for preliminary examination prior to end of  
19th month from priority date

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DIALOG(R) File 349:PCT FULLTEXT  
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00885034 \*\*Image available\*\*

**E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY  
SYSTEME ET PROCEDE DE MESSAGERIE ELECTRONIQUE POUR UNE REMISE AMELIOREE DE  
CONTENU MULTIMEDIA RICHE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200219146 A1 20020307 (WO 0219146)

Application: WO 2001US26811 20010828 (PCT/WO US0126811)

Priority Application: US 2000228382 20000828; US 2001939136 20010824

Parent Application/Grant:

Related by Continuation to: US 2001 20010824 (CON)

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

International Patent Class: G06F-017/30; G06F-015/16 ; G06F-015/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 26562

**English Abstract**

A multi-user e-mail messaging system is described that is interfaced through the Internet and includes a first user group sharing a first server (320), which first server is interfaced to the Internet (18). In this system, after an e-mail message has been originated by an originating user of the first user group, the e-mail message is directed onto an e-mail enhancement path, and additional content is added to the e-mail message using the e-mail enhancement path to produce an enhanced e-mail message (334). Thereafter, the enhanced e-mail message from the e-mail enhancement path to the intended recipient (342). In one feature, the path taken by an incoming e-mail message is different from an outgoing path taken by an e-mail message sent from the first user group. The outgoing path defined to the intended recipient includes the enhancement path.

**French Abstract**

L'invention concerne un systeme de messagerie electronique a usagers multiples, qui est connecte a l'Internet et comprend un premier groupe d'usagers partageant un premier serveur (320), ce premier serveur etant

couple a l'Internet (18). Dans ce systeme, apres le lancement d'un message electronique par un usager expediteur du premier groupe, le message electronique est dirige vers un chemin d'amelioration de courrier electronique et du contenu supplementaire y est ajoute au moyen du chemin d'amelioration de courrier electronique en vue de produire un message (334) electronique ameliore. Le message electronique ameliore provenant du chemin d'amelioration de courrier electronique est ensuite dirige vers le destinataire (342) prevu. Dans un aspect, le chemin emprunte par un message electronique entrant est different du chemin de sortie emprunte par un message electronique envoye a partir du premier groupe d'utilisateurs. Le chemin de sortie defini vers le destinataire prevu inclut le chemin d'amelioration.

Legal Status (Type, Date, Text)

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Examination 20021010 Request for preliminary examination prior to end of 19th month from priority date

18/5/9 (Item 9 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00875763

**MULTIMEDIA PLAYER AND BROWSER SYSTEM**

**LECTEUR MULTIMEDIA ET SYSTEME DE NAVIGATION**

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Application: WO 2001US22316 20010716 (PCT/WO US0122316)

Priority Application: US 2000616219 20000714

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

English Abstract

A multimedia software application that can include audio, video and/or graphics, in a manner that combines the multimedia experience with the transfer of information from and between a variety of sources (126), in a variety of directions, and subject to a variety of prompts. The application provides a "Web in Page" approach, in which a series of windows have the same or similar "look and feel", yet can be used to access and display information from a variety of sources (126), including local content (112) (hard drive or other locally stored media), and web-based online content (118), including that available from a dedicated, integrated server (114), affiliated servers (114), or even other computer users. The application of the present invention can be provided in stand-alone form, to be loaded on a client device (116) (e.g., personal computer) from either a recorded medium or downloaded online. In addition to this "Web in Page" application interface, a "Web in Skin" interface may be provided, by which the application interface may be varied based on client user (110) or advertiser (126) preferences to provide a customized interface format. Optionally, and preferably, the application is provided in a form where it is recorded on, and thereby combined with, digitally recorded content, such as a music CD or DVD.

French Abstract

La presente invention concerne une application logicielle multimedia pouvant comprendre des elements audio, video et/ou graphiques, dans un agencement qui associe l'experience multimedia avec le transfert d'information a partir de et entre diverses sources (126), dans differentes directions, et sujet a diverses sollicitations. L'application permet une approche de type page Web, dans laquelle une serie de fenetres presentent une apparence et un toucher identiques, tout en etant aptes a etre utilisees pour acceder et visualiser l'information a partir de differentes sources (126), comprenant un contenu local (118) (lecteur de disque dur et autres supports localement stockes), et un contenu en ligne accessible sur l'Internet (118), comprenant celui qui est disponible a partir d'un serveur incorpore dedie (114), des serveurs affilies (114), voire d'autres utilisateurs d'ordinateurs. L'application de la presente invention peut etre presentee sous forme autonome, a etre chargee sur un dispositif client (116) (par exemple, sur un ordinateur individuel) a partir soit d'une support enregistre ou telechargee en ligne. Outre cette interface d'application de type page Web, l'invention prevoit egalement une interface de type enveloppe Web, grace a laquelle on peut faire varier l'interface d'application selon les preferences de l'utilisateur (110) ou de l'agent publicitaire (126) permettant de procurer un format d'interface personnalise. Eventuellement, et preferablement, l'application est presentee sous une forme ou est enregistree, et donc associee a, un contenu numeriquement enregistre, par exemple, un CD ou un DVD musical.

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18/5/10 (Item 10 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00872862 \*\*Image available\*\*

**INTERFACING APPARATUS AND METHODS**

**DISPOSITIF ET PROCEDE D'INTERFACE**

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94010, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200206966 A1 20020124 (WO 0206966)  
Application: WO 2001US22112 20010713 (PCT/WO US0122112)  
Priority Application: US 2000217693 20000713  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-015/00  
International Patent Class: G06F-013/00  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 46123

#### English Abstract

Aspects of the invention provide for interfacing one or more users (126) or groups of users with one or more machines (121, 124) or groups of machines in a manner adaptable to conventional and non-conventional control and data entry capabilities, and that can be used alone and in conjunction with other interfacing elements, approaches and operabilities. Complete interfaces, command sets, commands (111, 113), feedback (12c, 123c), and new environments and operations are also enabled in a modifiable, extensible, broadly applicable and portable manner that is capable of exploiting flexibility, suggestibility and other aspects of human expression. New interfacing and programming tools; also can also be used to replace, extend and/or be superimposed with conventional/non-conventional interface elements, capabilities and/or other more useful "expressive" and/or "event-based" interfacing.

#### French Abstract

L'invention concerne un procede et un dispositif permettant d'etablir une interface entre un ou plusieurs utilisateurs (126) ou groupes d'utilisateurs et une ou plusieurs machines (121, 124) ou groupes de machines de telle sorte que ce procede et ce dispositif puissent s'adapter aux capacites d'entree de donnees et de commande classiques et non-classiques, et qu'ils puissent etre utilises conjointement avec d'autres fonctionnalites, d'autres approches et d'autres elements d'interface. Le procede et le dispositif decrits dans cette invention permettent des interfaces completes, des ensembles de commandes, des commandes (111, 113), une retroaction (12c, 123c), et des operations et des environnements nouveaux dans un contexte modifiable, extensible, largement applicable et portable, pouvant d'exploiter la flexibilite, la suggestibilite et d'autres aspects de l'expression humaine. L'invention concerne egalement de nouveaux outils d'interface pouvant etre utilises pour remplacer, etendre et/ou etre ajoutees aux elements d'interface classiques ou non-classiques et de programmation, aux capacites et/ou a d'autres interfaces "expressives" et/ou "fondees sur l'evenement" plus utiles.

#### Legal Status (Type, Date, Text)

Publication 20020124 A1 With international search report.  
Publication 20020124 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Examination 20021017 Request for preliminary examination prior to end of 19th month from priority date

00871014      \*\*Image available\*\*

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A COMMON CROSS PLATFORM  
FRAMEWORK FOR DEVELOPMENT OF DVD-VIDEO CONTENT INTEGRATED WITH ROM  
CONTENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A UN CADRE DE  
PLATES-FORMES ENTRECROISEES COMMUNES EN VUE DE L'ELABORATION DE CONTENU  
DVD-VIDEO INTEGRES DANS UN CONTENU ROM

Patent Applicant/Assignee:

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South LaSalle Street, Chicago, IL 60603, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200205104 A1 20020117 (WO 0205104)

Application: WO 2001US21187 20010703 (PCT/WO US0121187)

Priority Application: US 2000216822 20000707; US 2001898479 20010702

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17054

#### English Abstract

A method for providing enhanced content (214) for play across multiple  
play platforms employs steps of delivering media content (206) to a  
client device; delivering HTML content (202) to a client device, the HTML  
content being accessible and usable by a plurality of client device  
platforms; activating a browser (210) to access the HTML content, the  
browser being located on and compatible for use with the client device;  
activating firmware (212) on the client device to access the media  
content; and incorporating the accessed HTML content with the accessed  
media content.

#### French Abstract

La presente invention concerne un procede permettant d'obtenir un contenu  
(214) ameliore afin de lire dans des plates-formes de lecture multiples.  
Ce procede consiste a delivrer un contenu (206) multimedia a un  
dispositif client, a delivrer un contenu (202) HTML a un dispositif  
client, ce contenu HTML pouvant etre accede et utilise par une pluralite  
de plates-formes de dispositif client, a lancer un navigateur (210) de  
facon a acceder au contenu HTML, ce navigateur etant compatible avec le  
dispositif client et localise sur ce dernier, a lancer un micrologiciel  
(212) sur un dispositif client de facon a acceder au contenu multimedia,  
et a incorporer le contenu HTML accede avec le contenu multimedia accede.

Legal Status (Type, Date, Text)

Publication 20020117 A1 With international search report.

Publication 20020117 A1 Before the expiration of the time limit for  
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event of the receipt of amendments.

Correction 20020523 Corrections of entry in Section 1: under (30)  
replace "Not furnished" by "09/898,479"



Republication 20020523 A1 With international search report.  
Correction 20020523 Corrections of entry in Section 1:  
Correction 20020620 Corrected version of Pamphlet: pages 1/7-7/7,  
drawings, replaced by new pages 1/8-8/8; due to late  
transmittal by the receiving Office  
Republication 20020620 A1 With international search report.

18/5/12 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00846364 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROVIDING AUTO-REGISTRATION AND SERVICE ACCESS TO  
INTERNET SITES FOR INTERNET PORTAL SUBSCRIBERS  
PROCEDE ET APPAREIL POUR ASSURER L'ACCES DES SERVICES D'ENREGISTREMENT  
AUTOMATIQUE A DES SITES INTERNET POUR DES ABONNES A DES PORTAILS  
INTERNET**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200180067 A1 20011025 (WO 0180067)

Application: WO 2001US8265 20010314 (PCT/WO US0108265)

Priority Application: US 2000550348 20000414

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

International Patent Class: **G06F-015/16**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22879

**English Abstract**

A method and apparatus is provided for populating and submitting electronic forms by proxy over a data-packet-network (19). The apparatus comprises a software application (35) running on a system of network-connected servers (31) that enables a user (17), connected in session with one of the servers, to navigate to a site (23) containing an electronic form and obtain data about the site and about the form. The data obtained is used in conjunction with data about the user to construct a machine readable job order upon user request that may be executed for the purpose of automatic form population and submission to a host sponsoring site (15). Upon acceptance of the submitted form, data used for passwords, log-in codes and user-names is returned to a data repository where it is entered along with specific site data as a new registered site item for a registering user such that future navigation to the site, auto log-in and data may be performed automatically on

behalf of the user.

#### French Abstract

L'invention porte sur un procede et sur un appareil permettant d'equiper et de soumettre des formulaires electroniques par proxy sur un reseau (19) de paquets de donnees. L'appareil comprend une application logiciel (35) fonctionnant sur un systeme de serveurs (31) connectes en reseau, ce qui permet a un utilisateur (17), connecte dans une session avec l'un des serveurs, de naviguer sur un site (23) contenant un formulaire electronique et d'obtenir des donnees sur le site et sur le formulaire. Les donnees obtenues sont utilisees conjointement avec des donnees concernant l'utilisateur pour etabliir une offre d'emploi pouvant etre lisible par machine a la demande de l'utilisateur et qui peut etre executee en vue d'equiper et de soumettre un formulaire automatique a un site de parrainage hote (15). A l'acceptation du formulaire soumis a ce site, les donnees utilisees pour les mots de passe, les codes d'entree en communication et les noms utilisateurs sont renvoyees a un gisement de donnees ou elles sont introduites avec des donnees de site specifiques comme un nouvel article de site enregistre destine a un utilisateur de sorte qu'une navigation future sur le site, des entrees en communication automatiques et des retours de donnees puissent s'effectuer automatiquement au nom de l'utilisateur.

Legal Status (Type, Date, Text)

Publication 20011025 A1 With international search report.

18/5/13 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00830812

#### **GENERATION AND DISTRIBUTION OF MOTION COMMANDS OVER A DISTRIBUTED NETWORK GENERATION ET DISTRIBUTION DE COMMANDES DE MOUVEMENT SUR UN RESEAU REPARTI**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200163431 A1 20010830 (WO 0163431)

Application: WO 2001US5623 20010221 (PCT/WO US0105623)

Priority Application: US 2000184067 20000222; US 2000185557 20000228; US  
2000699132 20001027

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/16**

International Patent Class: G05B-019/18

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 23861

English Abstract

A control software system (20) for generating and distributing motion media for operating a target motion device. The control software system generates the motion media based on a motion program generated at a content server (26). The control software system distributes the motion media to a client browser (24) associated with the target motion device.

French Abstract

L'invention se rapporte a un systeme logiciel de commande (20) conçu pour generer et distribuer des commandes de mouvement permettant de faire fonctionner un dispositif de deplacement de cible. Ce systeme logiciel de commande genere les commandes de mouvement en fonction d'un programme de mouvement genere sur un serveur (26) de contenu. Ce systeme logiciel de commande distribue les commandes de mouvement a un explorateur client (24) associe au dispositif de deplacement de la cible.

Legal Status (Type, Date, Text)

Publication 20010830 A1 With international search report.

Examination 20011220 Request for preliminary examination prior to end of 19th month from priority date

18/5/14 (Item 14 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00820410 \*\*Image available\*\*

**SYSTEM AND METHOD FOR DELIVERING RICH MEDIA CONTENT OVER A NETWORK**

**SYSTEME ET PROCEDE PERMETTANT DE DELIVRER UN CONTENU RICHE EN INFORMATIONS MULTIMEDIA VIA UN RESEAU**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200153962 A1 20010726 (WO 0153962)

Application: WO 2001US2224 20010122 (PCT/WO US0102224)

Priority Application: US 2000177394 20000121; US 2000177395 20000121; US 2000177396 20000121; US 2000177397 20000121; US 2000177398 20000121; US 2000177399 20000121; US 2000182434 20000215; US 2000204386 20000515

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22916

#### English Abstract

Systems and methods are presented that allow the efficient distribution of rich media to clients (336) by maximizing the use of available bandwidth and client processing capabilities. A rich media presentation is divided into discrete components, and a producer of the presentation specifies how a presentation is to be assembled and where resources needed for the presentation are to be found. This information is packaged into a data structure and sent to clients (336). Clients (336) use this data structure to retrieve the necessary resources for the presentation. Producers are able to prioritize the particular resources that form part of the ultimate presentation according to their importance in the presentation, and clients (336) can retrieve the resources most suitable for their capabilities, including processing power, graphics production speed, and bandwidth. A benchmarker routine running on the client (336) helps identify these capabilities just before retrieval of the presentation components, to more closely assess the conditions under which the client (336) will retrieve, assemble and present the desired show.

#### French Abstract

La presente invention concerne des systemes et des procedes qui permettent de distribuer efficacement un contenu riche en informations multimedia a des clients (336) par la maximisation de l'utilisation de la largeur de bande disponible et des capacites de traitement de ces clients. Une presentation riche en informations multimedia est divisee en composantes distinctes, et celui qui produit cette presentation precise de quelle maniere une presentation doit etre montee et ou les ressources necessaires a cette presentation seront trouvees. Ces informations sont enfermées dans une structure de donnees et envoyees aux clients (336). Ces clients (336) utilisent cette structure de donnees pour localiser les ressources necessaires a cette presentation. Les producteurs peuvent rendre prioritaires les ressources particulieres qui constituent une partie de la presentation definitive compte tenu de leur importance dans cette presentation, et les clients (336) peuvent localiser les ressources les mieux adaptees a leurs capacites, notamment a la puissance de traitement, a la vitesse de production d'elements graphiques et a la largeur de bande dont ils disposent. Une routine d'evaluation de performance executees sur le client (336) aide a recenser ces capacites juste avant la localisation des composantes de presentation, de facon a evaluer plus precisement les conditions dans lesquelles ce client (336) localisera, montera et exposera la presentation souhaitee.

#### Legal Status (Type, Date, Text)

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Publication 20010726 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

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**18/5/15 (Item 15 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00807392 \*\*Image available\*\*

#### INTERNET SERVICE SYSTEM

#### SYSTEME DE SERVICES INTERNET

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200140963 A1 20010607 (WO 0140963)  
Application: WO 2000US32153 20001127 (PCT/WO US0032153)  
Priority Application: US 99168178 19991130; US 2000691979 20001019

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/177

International Patent Class: G06F-015/16

Publication Language: English

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Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 22983

English Abstract

The present invention relates to an Internet service system (4) which  
provides users with real-time communication with an Internet concierge  
(8) to facilitate the use of the Internet.

French Abstract

La presente invention concerne un systeme (4) de services Internet  
permettant aux utilisateurs de communiquer en temps reel avec un  
concierge (8) Internet destine a leur faciliter l'utilisation de  
l'Internet.

Legal Status (Type, Date, Text)

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18/5/16 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00803948 \*\*Image available\*\*

**METHOD OF AND SYSTEM FOR ENABLING BRAND-IMAGE COMMUNICATION BETWEEN VENDORS  
AND CONSUMERS**

**PROCEDE ET SYSTEME PERMETTANT DE COMMUNIQUER UNE IMAGE DE MARQUE ENTRE DES  
VENDEURS ET DES CONSOMMATEURS**

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200137540 A2-A3 20010525 (WO 0137540)  
Application: WO 2000US31757 20001117 (PCT/WO US0031757)

Priority Application: US 99441973 19991117; US 99447121 19991122; US 99465859 19991217; US 2000483105 20000114; US 2000599690 20000622; US 2000641908 20000818; US 2000695744 20001024

Parent Application/Grant:

Related by Continuation to: US 99441973 19991117 (CIP); US 99447121 19991122 (CIP); US 99465859 19991217 (CIP); US 2000483105 20000114 (CIP); US 2000599690 20000622 (CIP); US 2000641908 20000818 (CIP); US 2000695744 20001024 (CIP)

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 116871

English Abstract

An integrated consumer product marketing and information system which enables manufacturers, retailers, and consumers to carry out product-related functions: an internet product information subsystem (2) delivers information to interested consumers, using universal product code information in particular (3); product advertising is delivered to consumers (2A) within physical and electronic shopping environments; a sales analysis and forecasting subsystem (5) enables retailer purchasing agents to make obtain information about manufacturers' products in order to make informed purchases along the supply chain.

French Abstract

L'invention concerne un systeme integre de maniere fonctionnelle et un procede de commercialisation, de distribution et d'education/information de produits de consommation, qui permettent a des fabricants, a des revendeurs, a leurs agents respectifs et aux consommateurs d'accomplir quatre fonctions fondamentales associees au produit du cote de la demande du circuit de detail, a savoir : permettre aux responsables du commercialisation, de la marque et/ou du produit de creer et de gerer une image de marque composee pour chaque bien de consommation a la vente aussi bien sur le marche physique qu'electronique, a permettre aux fabricants, aux revendeurs et a leurs agents publicitaires et de commercialisation de montrer a des consommateurs des publicites relatives aux biens de consommation, dans un point de vente ou a proximite de ce dernier dans les environnements de commerce au detail aussi bien physique qu'electronique, de facon a garantir que l'image de marque voulue du fabricant soit diffusee et, parallelement, que la demande du produit soit influencee positivement. Le systeme et le procede permettent en outre aux revendeurs, aux fabricants et a leurs agents publicitaires et de commercialisation de promouvoir les produits de consommation aupres des consommateurs dans des environnements de commerce au detail aussi bien physique qu'electronique afin d'influencer positivement (c'est-a-dire de reduire) l'offre de ces produits dans les stocks et de promouvoir les ventes et les profits. Le systeme et le procede permettent aussi aux consommateurs de demander et d'obtenir des informations fiables concernant un produit d'un fabricant afin d'effectuer des achats en toute connaissance de cause du cote de la demande du circuit du detail, tout en permettant a des acheteurs au detail de demander et d'obtenir des informations fiables concernant un produit d'un fabricant afin d'effectuer des achats en toute connaissance de cause du cote de l'offre, influencant ainsi la demande du produit de maniere positive.

Legal Status (Type, Date, Text)

Publication 20010525 A2 Without international search report and to be

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Search Rpt 20020926 Late publication of international search report  
Republication 20020926 A3 With international search report.  
Republication 20020926 A3 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.

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DIALOG(R)File 349:PCT FULLTEXT  
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00797904 \*\*Image available\*\*

METHOD AND APPARATUS FOR PROVIDING CALCULATED AND SOLUTION-ORIENTED  
PERSONALIZED SUMMARY-REPORTS TO A USER THROUGH A SINGLE USER-INTERFACE  
PROCEDE ET APPAREIL DESTINES A DELIVRER DES COMPTES RENDUS PERSONNALISES  
ORIENTES SOLUTION ET CALCULES POUR UN UTILISATEUR VIA UNE INTERFACE  
UTILISATEUR UNIQUE

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Patent and Priority Information (Country, Number, Date):

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Priority Application: US 99425626 19991022

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DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 15509

English Abstract

An Internet-connected portal system (151) has a data repository (157), a data-gathering system (159), a request processor, a plurality of report algorithms, and a report processor. The request processor receives a request from a user and matches the request to an individual one of of the request algorithms. The data-gathering subsystem accesses plural Internet sites associated with the user and extracts raw data therefrom according to needs of the report algorithm. The report processor processes the raw data according to the report algorithm into metasummarized information defined by the report algorithm, and the portal system (151) transmits the metasummarized information as a report to a destination associated with the report request. In some cases there is an aggregated-data database in the data repository (157) storing aggregated data retrieved for specific users periodically, and the request processor checks the aggregated-data database for needed data before requiring the data-gathering system (159) to retrieve data from the associated Internet sites (141-145). In the instance that the needed data is stored in the aggregated-data database, the report is prepared from the aggregated data. Reports can be in a mix of text and graphic formats.

# French Abstract

La presente invention concerne un systeme portail connecte a l'Internet (151) comprenant un repertoire de donnees (157), un systeme de collecte de donnees (159), un processeur de requete, plusieurs algorithmes de rapport, et un processeur de rapport. Le processeur de requete recoit une requete d'un utilisateur et la fait correspondre a un des algorithmes de rapport. Le sous-systeme de collecte de donnees accede a plusieurs sites de l'Internet associes a l'utilisateur et extrait des donnees brutes de ces sites selon des besoins de l'algorithme de rapport. Le processeur de rapport traite les donnees brutes selon l'algorithme de rapport et les transforme en information meta-resumee definie par l'algorithme de rapport, puis le systeme portail (151) emit l'information meta-resumee sous forme de rapport vers une destination associee a la requete de rapport. Dans certains cas, il existe une base de donnees a donnees globales dans le repertoire de donnees (157) stockant des donnees extraites pour certains utilisateurs periodiquement, et le processeur de requete examine la base de donnees a donnees globales en fonction des donnees recherchees avant de demander au systeme de collecte de donnees (159) d'extraire des donnees des sites de l'Internet associes (141-145). Si les donnees recherchees sont stockees dans la base de donnees a donnees globales, le rapport est prepare a partir des donnees globales. Les rapports peuvent se presenter sous des formats texte et graphique melanges.

Legal Status (Type, Date, Text)

Publication 20010503 A1 With international search report.

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**18/5/18 (Item 18 from file: 349)**

DIALOG(R) File 349: PCT FULLTEXT

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00794295 \*\*Image available\*\*

**EVENT MONITORING AND CLOSED-LOOP RESPONSE SYSTEM**

**SYSTEME DE CONTROLE D'EVENEMENTS ET DE REPONSE EN BOUCLE FERMEE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200127787 A1 20010419 (WO 0127787)

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2000670224 20000925

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DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/173**

Publication Language: English

Filing Language: English

Fulltext Availability:



English Abstract

A system (20) and method is provided for automatically monitoring events occurring at devices (22) such as web servers (90) and websites (90), responding, and providing closed-loop response verification. The system (20) and method automatically identifies events, implements pre-specified actions in response thereto, and verifies that information regarding events has been successfully communicated. Once an event is detected and notification of at least one respondent has been completed, the system (20) awaits further information to indicate that the respondent (26) has received notification and/or has or will taken corrective action. The notification may be escalated to additional respondents (26) until some respondent (26) commits to take such corrective action. The present invention thus helps ensure that every event is recognized and any reaction is noted and the entire sequence of actions recorded. The system also includes supporting infrastructure to maintain and analyze event history, to preserve event information and to disseminate the information to clients (22). The system (20) and method is implemented in a self-provisioned website to provide an automated, cost-efficient service that is user controlled, flexible, and scalable.

French Abstract

L'invention concerne un systeme et un procede destines a controler automatiquement des evenements se produisant sur des dispositifs tels que des serveurs Web et des sites Web, a repondre et a proceder a une verification de reponses en boucle fermee. Le systeme et le procede identifient automatiquement des evenements, executent des actions prespecifiees en reponse a ceux-ci, et verifient que les informations relatives aux evenements ont ete transmises avec succes. Une fois qu'un evenement est detecte et qu'une notification d'au moins un repondant a ete executee, le systeme attend d'autres informations pour indiquer que le repondant a recu une notification et/ou a execute ou va executer une action corrective. La notification peut etre etendue a d'autres repondants jusqu'a ce qu'un repondant s'engage a executer une telle action corrective. La presente invention contribue ainsi a assurer que chaque evenement est reconnu, que toute reaction est notee et que toute la sequence d'actions est enregistree. Le systeme comprend egalement une infrastructure de soutien destinee a actualiser et a analyser l'historique des evenements, afin de preserver les informations d'evenements et de disseminer les informations vers les clients. Le systeme et le procede sont mis en oeuvre dans un site Web auto-approvisionne pour fournir un service automatique et rentable lequel est gere par l'utilisateur, souple et evolutif.

Legal Status (Type, Date, Text)

Publication 20010419 A1 With international search report.  
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DIALOG(R)File 349:PCT FULLTEXT  
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00794291 \*\*Image available\*\*

**SYSTEM AND METHODS FOR ACCESSING INTERNET INFORMATION USING INTERNET APPLIANCES**

**SYSTEME ET PROCEDES PERMETTANT D'ACCEDER A DES INFORMATIONS SUR INTERNET PAR UTILISATION DE DISPOSITIFS INTERNET**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200127783 A1 20010419 (WO 0127783)

Application: WO 2000US28514 20001013 (PCT/WO US0028514)

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Main International Patent Class: G06F-015/16

International Patent Class: G06F-015/173 ; G06F-015/177

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11354

English Abstract

A system and methods for accessing summary or pre-selected items of Internet information using Internet appliances (20-25) is provided. Users access Internet information through an Internet appliance interface optimized for the network bandwidth and display capabilities (22) of the Internet appliance. The Internet information accessed is the information that is determined to be relevant and important to the user. The information is summarized for, and presented to, the user at one or more pre-determined levels of detail.

French Abstract

La presente invention concerne un systeme et des procedes permettant d'accéder a des elements sommaires ou preselectionnes d'informations sur Internet, par utilisation de dispositifs Internet (20-25). Des utilisateurs accèdent a des informations sur Internet par une interface de dispositif Internet qui est optimisée pour les capacités d'affichage et de largeur de bande du reseau (22) dudit dispositif Internet. Les informations Internet accedees sont des informations qui sont determinees comme etant pertinentes et importantes pour l'utilisateur. Les informations sont resumees pour l'utilisateur et lui sont presentees, a un ou plusieurs niveaux de details predefinis.

Legal Status (Type, Date, Text)

Publication 20010419 A1 With international search report.

Examination 20010802 Request for preliminary examination prior to end of  
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18/5/20 (Item 20 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00790538 \*\*Image available\*\*

**METHOD AND APPARATUS FOR DATA-LINKING A MOBILE KNOWLEDGE WORKER TO HOME  
COMMUNICATION-CENTER INFRASTRUCTURE**

**PROCEDE ET APPAREIL PERMETTANT D'ETABLIR UNE LIAISON DE DONNEES ENTRE UN  
SPECIALISTE DE LA CONNAISSANCE MOBILE ET UNE INFRASTRUCTURE DE CENTRE  
DE COMMUNICATIONS LOCAL**

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Application: WO 2000US23066 20000822 (PCT/WO US0023066)  
Priority Application: US 99405335 19990924

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GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LV MA MD  
MG MK MN MW MX MZ NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT TZ UA UG UZ  
VN YU ZA ZW

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

International Patent Class: G06F-015/167

Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8608

English Abstract

A proxy system enables a worker remote from a communication center and limited to a light computer device (47) unable to operate as a workstation at the communication center to operate with full access to data and software at the communication center (17). A proxy server (49), which may be a LAN-connected server at the communication center, has a two-way data link to the light computer device operated by the remote agent, and executes software which ascertains the hardware and software characteristics of the light device. The proxy server accesses communication center data at direction from the light device, operates communication center software tools, and provides results to the light device over the communication link in a form usable by the light device.

French Abstract

L'invention concerne un systeme mandataire permettant a un specialiste de la connaissance a distance d'un centre de communication, utilisant un dispositif informatique (47) leger ne pouvant fonctionner comme un poste de travail dudit centre de communications (17), d'acceder et de fonctionner avec plein acces a des donnees et a un logiciel au niveau de ce centre de communications. Un serveur mandataire (49), qui peut etre un serveur connecte a un reseau LAN au niveau du centre de communications, possede une liaison de donnees bidirectionnelle avec le dispositif informatique leger utilise par le specialiste de la connaissance a distance, et execute un logiciel qui verifie les caracteristiques du materiel et du logiciel du dispositif leger. Le serveur mandataire accede aux donnees du centre de communications sous les instructions du dispositif leger, fait fonctionner des outils logiciels du centre de communications, et fournit des resultats au dispositif leger sur la liaison de communication sous une forme utilisable par ledit dispositif leger.

Legal Status (Type, Date, Text)

Publication 20010405 A1 With international search report.

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18/5/21 (Item 21 from file: 349)

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00786989 \*\*Image available\*\*

DATA COMMUNICATION SYSTEM

SYSTEME DE COMMUNICATION DE DONNEES

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200120471 A1 20010322 (WO 0120471)  
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Priority Application: ZA 995912 19990914; US 2000662376 20000913

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 15619

English Abstract

A computer program product is provided which includes in combination a media player control (12) and a web browser control (14) stored on a digital storage medium. The product further includes a display controller which defines a browsing zone and a media player zone on a display screen of a computer. The media player control (12) controls the display of media player data in the media player zone and the browser control (14) controls the display of browser data in the browsing zone. Media player data is selectively retrieved from a remote content provider and/or from a storage device in the computer. The invention extends further to a web browser product and to a client computer product including the computer program product. The product includes a ticker control (20) for displaying ticks independently of the browsing zone.

French Abstract

L'invention concerne un progiciel, qui comprend une commande de diffuseur de medias (12) et une commande de navigateur web (14) combinees stockees dans un support de stockage numerique. Le progiciel comprend egalement un controleur d'ecran de visualisation qui definit une zone d'exploration et une zone de diffusion de medias sur un ecran de visualisation d'un ordinateur. La commande de diffuseur de medias (12) commande la diffusion des donnees du diffuseur de medias dans la zone de diffusion de medias, et la commande du navigateur (14) commande l'affichage des donnees d'exploration dans la zone d'exploration. Des donnees du diffuseur de medias sont selectivement extraites d'un fournisseur de contenu distant et/ou d'une memoire de l'ordinateur. L'invention concerne en outre un logiciel de navigation web et un ordinateur client contenant le progiciel de l'invention. Le progiciel comprend une commande de teleimprimeur (20) servant a presenter des amorces independamment de la zone d'exploration.

Legal Status (Type, Date, Text)

Publication 20010322 A1 With international search report.

Publication 20010322 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.

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00778300 \*\*Image available\*\*

**MACHINE VISION SENSOR UTILIZING SPREADSHEETS**  
**CAPTEUR DE VISION ARTIFICIELLE**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US21787 20000809 (PCT/WO US0021787)

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Main International Patent Class: **G06F-015/00**

International Patent Class: **G06F-015/76 ; G06F-015/80 ; G06F-017/00;**  
**G06F-017/21; G06F-017/24**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 111205

**English Abstract**

A machine vision sensor is provided that includes a processor (42); a camera for capturing images (43); and a display for displaying captured images to be analyzed (41), and for displaying a spreadsheet for analyzing the image (46). The spreadsheet is displayed in semi-transparent relationship with the image. A hand-held control pad (44) can be used as the sole input and control device for accessing a plurality of menus having various vision tools. The spreadsheet provides an easy-to-use environment and user interface for programming machine vision applications. The hand-held control pad can be used to navigate over the spreadsheet, thereby selecting cells of the spreadsheet (46). When a particular cell of the spreadsheet is selected, a change occurs in the appearance of the image displayed (47). The spreadsheet can be used to create a user interface for controlling analysis of the captured image.

**French Abstract**

La presente invention concerne un capteur de vision artificielle qui comprend un processeur, une camera permettant la capture d'images, et un afficheur destine a afficher les images capturees a analyser et destine a afficher un tableur de facon a analyser l'image. Ce tableur est affiche en semi-transparence avec l'image. Un boitier de commande manuel peut etre utilise, seul dispositif d'entree et de commande permettant d'accéder a une pluralite de menus possedant divers outils de vision. Le tableur offre un environnement facile a utiliser et une interface utilisateur permettant de programmer des applications de vision artificielle. Le boitier de commande manuel peut etre utilise pour naviguer dans le tableur, selectionnant de cette maniere les cellules du tableur. On peut aussi utiliser le boitier de commande pour selectionner les rubriques des menus, et pour selectionner des caracteres alphanumeriques comme parametres a entrer dans le tableur. Quand on a selectionne une cellule particuliere du tableur par l'intermediaire du

boitier de commande, une modification survient dans l'apparence de l'image affichee, ou dans l'apparence d'une couche de graphique affichee en surimpression de l'image. On peut, de plus, utiliser ce tableur pour creer une interface utilisateur destinee a commander l'analyse de l'image capturee ou d'autres processus industriels. Cette interface utilisateur est particulierement interessante pour des applications de vision artificielle ou d'autres applications faisant appel a d'importants ensembles de donnees.

Legal Status (Type, Date, Text)

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Search Rpt 20010823 Late publication of international search report  
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Correction 20020711 Corrected version of Pamphlet: pages 1/25-25/25, drawings, replaced by new pages 1/26-26/26; due to late transmittal by the receiving Office  
Republication 20020711 A3 With international search report.

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DIALOG(R)File 349:PCT FULLTEXT

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00774483 \*\*Image available\*\*

**GEOGRAPHIC DATA LOCATOR**

**LOCALISEUR DE DONNEES GEOGRAPHIQUES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200108021 A1 20010201 (WO 0108021)

Application: WO 2000US20372 20000726 (PCT/WO US0020372)

Priority Application: US 99360901 19990726

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5769

**English Abstract**

A geographic information transfer method and system is described. The method includes receiving at a host system server data (210) describing a client computer's (231-236) connection to a computer network, querying a database (214-215) to obtain geographic data associated with the received data, and transmitting localized information from the host system to the client computer based on the geographic data. A geographic cookie file may be generated and written to a client computer for future use. The geographic cookie file may be used to transmit localized data or to block

transmission of data to a specified geographic location.

French Abstract

Cette invention concerne une technique et un systeme de transfert d'informations geographiques. Cette technique consiste a: recevoir au niveau d'un serveur de systeme hote des donnees (210) qui renseignent sur la connexion d'un ordinateur client (231-236) a un reseau informatique; a interroger une base de donnees (214-215) dans le but d'obtenir des donnees geographiques en rapport avec les donnees recues; et a transmettre des informations localisees a partir du systeme hote a l'ordinateur client compte tenu des donnees geographiques. Il est possible de creer un fichier geographique inaccessible (<= cookie >=) et de dans un ordinateur client aux fins d'utilisation future. Ce fichier inaccessible peut servir a transmettre des donnees localisees ou a bloquer la transmission de donnees vers un point geographique precis.

Legal Status (Type, Date, Text)

Publication 20010201 A1 With international search report.

Examination 20010802 Request for preliminary examination prior to end of 19th month from priority date

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**18/5/24 (Item 24 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00767965 \*\*Image available\*\*

**CUSTOMIZING WEB CONTENT BASED ON NETWORK CONDITIONS**

**PERSONNALISATION D'UN CONTENU WEB EN FONCTION DES CONDITIONS DU RESEAU**

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200101621 A2-A3 20010104 (WO 0101621)

Application: WO 2000US16450 20000615 (PCT/WO US0016450)

Priority Application: US 99343963 19990630

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/16**

International Patent Class: **G06F-015/173**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6285

English Abstract

A method and apparatus for the customized transport of electronic material in a networked environment based on network conditions. In one or more embodiments of the invention, once a user (220) establishes a connection with a network server (210) to access the information available thereon, the server computer (210) identifies the device used

by the user (220) and customizes the transmission rate and content for that device based on information (27) that is either already available or that is acquired at the time the connection is established.

#### French Abstract

L'invention concerne un procede et un dispositif permettant de personnaliser le transport de materiel electronique dans un environnement en reseau, en fonction des conditions du reseau. Avec l'avenement de la technologie Internet, de plus en plus de dispositifs, notamment des ordinateurs personnels, des agendas electroniques etc. sont utilises et equipes pour acceder aux informations fournies par Internet. Dans un ou plusieurs modes de mise en oeuvre, le present procede se deroule de la maniere suivante : lorsqu'un utilisateur etablit une connexion avec un serveur de reseau afin de solliciter l'information disponible sur ce dernier, l'ordinateur serveur identifie le dispositif utilise par l'utilisateur et adapte la vitesse de transmission et le contenu a ce dispositif, en se referant a une information qui soit est deja disponible, soit est acquise au moment de l'etablissement de la connexion. Si par exemple le serveur determine que le client utilise un dispositif disposant de ressources d'affichage limitees (p. ex. un dispositif capable d'afficher uniquement du texte), il genere ou personnalise des donnees d'affichage de maniere a les rendre compatibles avec ce dispositif (p. ex. seules les donnees texte sont transferees). Dans un ou plusieurs modes de mise en oeuvre, la transmission de donnees est personnalisee en fonction des conditions du reseau. Les conditions du reseau determinent le rendement du reseau, indiquant le volume d'information qui peut etre traitee avec succes a un moment donne. Differents systemes permettent de definir avec precision le plan de transfert de donnees le mieux adapte au dispositif. Dans un mode de mise en oeuvre par exemple, le serveur effectue un suivi du temps necessaire au traitement d'une demande dans le reseau et regle la vitesse de transfert de donnees de maniere qu'une quantite plus importante de donnees est transportee lorsque les conditions du reseau le justifient.

#### Legal Status (Type, Date, Text)

Publication 20010104 A2 Without international search report and to be republished upon receipt of that report.  
Search Rpt 20010405 Late publication of international search report  
Republication 20010405 A3 With international search report.  
Examination 20010517 Request for preliminary examination prior to end of 19th month from priority date

18/5/25 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00758778 \*\*Image available\*\*

#### **METHOD AND APPARATUS FOR ACCESS TO, AND DELIVERY OF, MULTIMEDIA INFORMATION PROCEDE ET APPAREIL D'ACCES A DES INFORMATIONS, ET DE FOURNITURE D'INFORMATIONS MULTIMEDIA**

##### Patent Applicant/Assignee:

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except: US)

##### Patent Applicant/Inventor:

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##### Legal Representative:

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##### Patent and Priority Information (Country, Number, Date):

Patent: WO 200072168 A1 20001130 (WO 0072168)  
Application: WO 2000US13652 20000517 (PCT/WO US0013652)  
Priority Application: US 99315924 19990520; US 2000560048 20000427

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ  
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE



(OA) BF BJ CF CG CI CH GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/16**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 40973

#### English Abstract

Some embodiments of the present invention combine two or more separate networks into a unified tool for multimedia information delivery. In particular, the unified tool provides at least an aspect (for example, a visual aspect (400)) of the multimedia information over one of the separate networks and provides at least another aspect (for example an audio aspect (250)) of the multimedia information over another one of the separate networks. In still other embodiments of the present invention, the unified tool provides synchronized multimedia information delivery over the two or more separate networks. Some embodiments of the present invention enhance the speed of delivery of web content to users. In particular, an embodiment of the present invention is a method for speeding access to web content by a user which includes the steps of: a) at or prior to display of web content, accessing a list of identifiers of further web content; b) requesting web content pertaining to at least one of the identifiers before it is actually needed and; c) optionally, tagging the requested web content with header information which indicates that the requested content will be considered "fresh" for some period of time and not to re-request the web content during its "fresh" time period.

#### French Abstract

Certaines executions de la presente invention regroupent deux (ou plus de deux) reseaux separees en un outil combine de fourniture d'informations multimedia. Ledit outil unifie fournit en particulier, sur l'un des reseaux separees, au moins un aspect (par exemple un aspect video (400)) de l'information multimedia, et sur un autre reseau separe, au moins un autre aspect, (par exemple un aspect audio (250)) de l'information multimedia. Dans d'autres executions, l'outil unifie assure la fourniture d'informations multimedia synchronisees sur deux ou plus de deux reseaux separees. Certaines executions de la presente invention accroissent la vitesse de fourniture d'elements du web a des utilisateurs; l'une en particulier comporte les etapes suivantes: (a) lors de la presentation des elements du web ou avant, acces a une liste d'identificateurs d'elements du web supplementaires; (b) predemande d'elements du web relatifs a au moins l'un des identificateurs avant qu'il ne soit effectivement requis; marquage facultatif du contenu du web demande par des informations d'en-tete indiquant que le contenu demande sera considere comme "frais" pendant un certain temps, et invitant a ne pas reformuler de demandes au web pendant la periode "fraiche".

Legal Status (Type, Date, Text)

Publication 20001130 A1 With international search report.

Examination 20010315 Request for preliminary examination prior to end of 19th month from priority date

18/5/26 (Item 26 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00730912 \*\*Image available\*\*

**METHOD AND APPARATUS FOR MULTIPLEXING SEPARATELY-AUTHORED METADATA FOR INSERTION INTO A VIDEO DATA STREAM**

**PROCEDE ET APPAREIL DE MULTIPLEXAGE DE METADONNEES MEDIATISEES SEPAREMENT POUR INSERTION DANS UN FLUX DE DONNEES VIDEO**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200043899 A1 20000727 (WO 0043899)  
Application: WO 2000US1699 20000121 (PCT/WO US0001699)  
Priority Application: US 99235781 19990122

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/167**

International Patent Class: H04N-007/10; H04N-007/14; H04N-001/14;  
H04N-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 24983

English Abstract

An authoring system for interactive video has two or more authoring stations (11) for providing authored metadata to be related to a main video data stream and a multiplexor for relating authored metadata from the authoring sources to the main video data stream. The authoring stations (11) annotate created metadata with presentation time stamps (PTS) from the main video stream, and the multiplexor relates the metadata to the main video stream by the PTS signatures. In analog streams PTS may be created and integrated. In some embodiments there may be multiple and cascaded systems, and some sources may be stored sources. Various methods are disclosed for monitoring and compensating time differences among sources to ensure time coordination in end product. In different embodiments transport of metadata to an end user station is provided by Internet streaming, VBI insertion or by Internet downloading. User equipment is enhanced with hardware and software to coordinate and present authored material with the main data stream.

French Abstract

La presente invention concerne un systeme de mediatization destine a une video interactive comprenant deux ou plusieurs stations de mediatization (11) destinees a delivrer des metadonnees mediatisees a mettre en rapport avec un flux principal de donnees video ainsi qu'un multiplexeur destine a mettre en rapport des donnees mediatisees provenant des sources de mediatization avec le flux principal de donnees video. Les stations de mediatization (11) annotent des metadonnees creees a l'aide de timbres de duree de presentation (PTS) du flux principal video, et le multiplexeur met en rapport les metadonnees avec le flux principal video au moyen des signatures PTS. Dans des flux analogiques, il est possible de creer et d'integrer des PTS. Dans certaines realisations, il est possible d'avoir des systemes multiples et en cascade, et certaines sources peuvent etre des sources stockees. L'invention concerne differents procedes destines au suivi et a la compensation des differences de duree entre sources de maniere a assurer une synchronisation dans un produit final. Dans differentes realisations, le transport de metadonnees vers une station utilisateur final est effectuee par acces Internet a la demande, insertion

d'intervalle d'effacement video (VBI) ou par telechargement sur l'Internet. L'equipement utilisateur est ameliore a l'aide de materiel et de logiciel destines a coordonner et a presenter du materiau mediatise avec le flux principal de donnees video.

Legal Status (Type, Date, Text)

Publication 20000727 A1 With international search report.

Publication 20000727 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20000921 Request for preliminary examination prior to end of 19th month from priority date

18/5/27 (Item 27 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00573124 \*\*Image available\*\*

**OPTIMIZING BANDWIDTH CONSUMPTION FOR DOCUMENT DISTRIBUTION OVER A MULTICAST ENABLED WIDE AREA NETWORK**

**OPTIMISATION DE L'UTILISATION DE LA LARGEUR DE BANDE POUR LA DISTRIBUTION DE DOCUMENTS SUR UN GRAND RESEAU A MULTIDIFFUSION**

Patent Applicant/Assignee:

ZAP ME!,

MARKS Joshua K,

STRASNICK Steve L,

MORTENSEN Lance H,

Inventor(s):

MARKS Joshua K,

STRASNICK Steve L,

MORTENSEN Lance H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200036497 A1 20000622 (WO 0036497)

Application: WO 99US30132 19991216 (PCT/WO US9930132)

Priority Application: US 98216016 19981216

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM

AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL

PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-007/00

International Patent Class: **G06F-015/00** ; **G06F-015/16** ; G06F-017/00;

G06F-017/21; G06F-017/24; G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13585

English Abstract

A method for filtering documents includes receiving the document off of a multicast channel. It is determined whether the document includes relevant information. The document is processed if it includes relevant information. A filtering agent includes a session identification reading unit (620) that retrieves a session identification from a document transmitted over a multicast channel. The filtering agent also includes an information classification unit (630) that retrieves meta data from the document. The filtering agent also includes a source unit (640) that retrieves source information from the document. An evaluation unit (650) is coupled to the session identification reading unit (620), information classification unit (630), and the source unit (640). The evaluation unit (650) determines whether the document includes relevant information based on the session identification, meta data, and the source information.

French Abstract

L'invention concerne un procede de filtrage des documents, qui consiste

a recevoir des documents depuis une voie a multidiffusion. On determine si les documents renferment l'information pertinente, et les documents sont traites s'ils renferment cette information. Un agent de filtrage comprend une unite de lecture d'identificateur (620) qui recupere un identificateur de session depuis un document transmis sur une voie a multidiffusion. L'agent de filtrage comprend encore une unite de classification d'information (630) qui recupere des metadonnees a partir du document, et une unite source (640) qui recupere l'information source depuis le document. Une unite d'evaluation (650) est couplee a l'unite de lecture d'identificateur de session (620), a l'unite de classification d'information (630) et a l'unite source (640). L'unite d'evaluation (650) determine si le document comprend l'information pertinente sur la base de l'identificateur de session, des metadonnees et de l'information source.

18/5/28 (Item 28 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00566593 \*\*Image available\*\*

**UNIFIED COMPUTING AND COMMUNICATION ARCHITECTURE (UCCA)**

**ARCHITECTURE DE CALCUL ET DE COMMUNICATION UNIFIEE**

Patent Applicant/Assignee:

TERAGLOBAL COMMUNICATIONS CORP,

HOLCOMB Grant K,

Inventor(s):

HOLCOMB Grant K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200029966 A1 20000525 (WO 0029966)

Application: WO 99US27587 19991119 (PCT/WO US9927587)

Priority Application: US 98109420 19981119

Designated States: AU CA CN JP KR US AT BE CH CY DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Main International Patent Class: **G06F-015/00**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16431

English Abstract

A Unified Computing and Communication Architecture (UCCA), which offers a cost effective, secure, real-time, full-duplex, robust, reliable, backward compatible, continuously upgradable, cross-platform communication solution. The architecture includes one or more Service cells (10), and each Service Cell (10) includes one or more Registry Servers (30-1) connected to a plurality of Client communications terminals (A1, A80) through a central non-blocking ATM switch (60). Each Client communication terminal (A1, A80) further comprises a computer platform with one or more supercomputer class host processors with Digital Camera (120), speakers, microphone, one or more displays, a biometrics device (125), and an ATM Communication Interface (25) for dedicated connection with said ATM switch (60). Each Registry Server (30-1) further comprises an ATM Communication Interface (25) for dedicated connection with the ATM switch (60) and an ultra-high speed hard disk array.

French Abstract

L'invention concerne une architecture de calcul et de communication unifiee (UCCA), offrant une solution de communication multiplateforme, bon marche, sure, en temps reel, bidirectionnelle, robuste, fiable, a compatibilite amont, continuellement evolutive. Cette architecture comprend une ou plusieurs cellules de service (10), chaque cellule de service (10) comprenant un ou plusieurs serveurs de registre (30-1), relie a une pluralite de terminaux de communication (A1, A80) de clients par l'intermediaire d'un commutateur ATM (60) central sans blocage. Chaque terminal de communication (A1, A80) de client comprend, en outre, une plateforme informatique dotee d'un ou plusieurs processeurs hote de type processeurs arithmetiques avec une camera numerique (120), des

haut-parleurs, un microphone, un ou plusieurs dispositifs d'affichage, un dispositif de biometrie (125), et une interface de communication (25) ATM, afin d'etablir une connexion specialisee avec un commutateur ATM (60). Chaque serveur de registre (30-1) comprend egalement une interface de communication (25) ATM, afin d'etablir une connexion specialisee avec le commutateur ATM (60) et un reseau de disques durs a vitesse tres elevee.

18/5/29 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00565023 \*\*Image available\*\*

**A WEB APPLICATION FOR ACCESSING MEDIA STREAMS**

**APPLICATION WEB PERMETTANT D'ACCEDER A DES TRAINS DE DONNEES**

Patent Applicant/Assignee:

MEDIA & TRANSACTIONS INC,

Inventor(s):

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BURESS Michael,

FURTADO Jefferson,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200028396 A2 20000518 (WO 0028396)

Application: WO 99US26258 19991105 (PCT/WO US9926258)

Priority Application: US 98187256 19981106

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ

BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-015/16**

International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10345

English Abstract

A web page (10) has a player (16) for playing media objects, a sequencer (14) which displays a play list that defines an order in which media objects are played by the player (16), and a media access area (12) for containing a plurality of graphical icons. Each graphical icon representing a media object, and the graphical icons can be manipulated by a user to modify the play list. For example, the media icons may be dragged to the sequencer (14) to add them to the sequencer (14).

French Abstract

Page Web comportant un module de restitution, un sequenceur affichant une liste de diffusion definissant l'ordre dans lequel les objets media seront diffuses par le module de restitution, ainsi qu'une zone d'accès au support contenant plusieurs icones graphiques. Chacune de ces icones represente un objet, et les icones graphiques peuvent etre manipulees par l'utilisateur afin de modifier la liste de diffusion. Par exemple, il est possible de faire glisser les icones media jusqu'au sequenceur afin de les y ajouter.

18/5/30 (Item 30 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00538773 \*\*Image available\*\*

**ACCESSING, VIEWING AND MANIPULATION OF ARCHIVED INFORMATION**

**INFORMATIONS ARCHIVEES: ACCES, VISUALISATION ET MANIPULATION**

Patent Applicant/Assignee:

COPERNICAN TECHNOLOGIES INC,

Inventor(s):

VOLNAK Will,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200002146 A1 20000113 (WO 0002146)

Application: WO 99US14478 19990625 (PCT/WO US9914478)

Priority Application: US 98109135 19980702

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/30

International Patent Class: G06F-013/00; **G06F-015/00** ; **G06F-015/40** ;

G06F-003/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8532

#### English Abstract

A method and apparatus are provided for accessing, viewing and manipulating data stored in a computer system (900). This is achieved by selecting one or more of the non-modifiable data objects (270) stored in a computer system (900), creating references to a reference list (240). The reference list is then manipulated (280) to allow a user to add to, remove from (250) or search (210) the references in the list. In some embodiments, different operations are performed by different computers (900, 910, 920) connected to a computer network (930) such as the Internet (950). In such cases, data objects are stored on a server computer (910) over the network (930). A reference list is stored on the client computers (900, 920) and can be directly manipulated by the user without a need for further interaction with the server computer (910).

#### French Abstract

L'invention concerne un procede et un appareil permettant d'accéder a des données stockées dans un système informatique (900), voire de visualiser et de manipuler ces données. A cet effet, on sélectionne un ou plusieurs objets (270) de données non modifiables stockés dans un système informatique (900), créant ainsi des références a une liste (240) de référence. La liste de référence est ensuite manipulée (280) pour permettre a un utilisateur d'ajouter, d'éliminer (250) ou de chercher (210) les références dans la liste. Selon certains modes de réalisations, ces différentes opérations sont effectuées par des ordinateurs (900, 910, 920) différents reliés a un réseau (930) informatique tel que l'Internet (950). Les objets de données sont alors stockés sur un ordinateur (910) serveur via le réseau (930). Une liste de référence est stockée sur les ordinateurs (900, 920) clients et l'utilisateur peut être directement manipulée cette liste sans qu'aucune interaction additionnelle avec l'ordinateur (910) serveur ne soit nécessaire.

Set	Items	Description
S1	493983	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	439973	ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT? OR SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?
S3	3544965	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	142770	S3(3N) (MULTIPL? OR MANY OR PLURAL? OR VARIOUS OR DIFFERENT? OR ADDITIONAL? OR SOME? OR SEVERAL OR HETEROGENOUS)
S5	407	S1 AND S2 AND S4
S6	80	S5 AND IC=(G06F-015? OR G06F-017?)
S7	7256	S1(10N)S2
S8	42	S6 AND S7
S9	42	IDPAT (sorted in duplicate/non-duplicate order)
S10	42	IDPAT (primary/non-duplicate records only)
S11	1441100	SYNC? OR MATCH? OR COMBINE OR ALIGN? OR JOIN?
S12	127	(SHARE? OR SHARING) (3N)S2
S13	11	S1 AND S12
S14	63	S5 AND S11
S15	74	S14 OR S13
S16	67	S15 NOT S10
S17	6	S16 AND IC=(G06F-015? OR G06F-017?)
S18	6	IDPAT (sorted in duplicate/non-duplicate order)
S19	6	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents Abs Aug 1985-2002/Nov

(c) 2002 European Patent Office

File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)

(c) 2002 JPO & JAPIO

File 350:Derwent WPIX 1963-2002/UD,UM &UP=200279

(c) 2002 Thomson Derwent

10/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014832380 \*\*Image available\*\*  
WPI Acc No: 2002-653086/200270

**Server and method for internet audio broadcasting**

Patent Assignee: SIMUS TECHNOLOGIES INC (SIMU-N)

Inventor: KANG H S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002030564	A	20020425	KR 200061511	A	20001019	200270 B

Priority Applications (No Type Date): KR 200061511 A 20001019

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002030564	A		1	G06F-017/00	

Abstract (Basic): KR 2002030564 A

NOVELTY - A server and a method for the Internet **audio** broadcasting are provided to provide a service capable of listening **various formats** of information existing on the Internet or collected by a server manager as a voice to a user of Internet broadcasting and to enable a user registered as a member to compose and listen a channel.

DETAILED DESCRIPTION - The Internet **audio** broadcasting comprises a client(10), the Internet(20) and an **audio** broadcasting server(30), and the **audio** broadcasting server includes an **audio** broadcasting data collection part(32), a member registration part(34), a channel composition part(36) and an **audio** broadcasting composition output part(38). The client is a terminal connecting to the **audio** broadcasting server by a general Internet user, can read a HTML document and receives a streaming sound, and has a web browser in order to communicate with a web server through HTTP. The **audio** broadcasting data collection part is equipped with an **audio** broadcasting data receiver, an **audio** data collection part having an **audio** data search engine, an **audio** data input part, a **text** /voice converter, a detail information generator and an **audio** broadcasting data database.

pp; 1 DwgNo 1/10

Title Terms: SERVE; METHOD; **AUDIO** ; BROADCAST  
Derwent Class: T01  
International Patent Class (Main): **G06F-017/00**  
File Segment: EPI

10/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014761792  
WPI Acc No: 2002-582496/200262  
XRPX Acc No: N02-461892

**Computer based distance measurement method for recognizing audio based contents, involves evaluating average distance between components of probability distribution functions using specific equation**

Patent Assignee: HUANG Q (HUAN-I); LIU Z (LIUZ-I)

Inventor: HUANG Q; LIU Z

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020069032	A1	20020606	US 2000201867	A	20000504	200262 B
			US 2001849737	A	20010504	

Priority Applications (No Type Date): US 2000201867 P 20000504; US 2001849737 A 20010504

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): US 20020069032 A1

NOVELTY - The average of distance between two **different** Gaussian mixture **type** probability distribution functions, is measured by evaluating the specific equation. The equation has  $d(g_i, h_k)$  which is a function of the distance between components of  $g_i$  and  $h_k$  of the probability distribution functions  $G$  and  $H$  respectively. The weight of the component

$\omega_{ik}$  is given by  $\omega_{ik}$  at least 0, 1 at most  $i$  at most  $N$ , 1 at most  $k$  at most  $K$

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for computer program for computing distance between the mixture type probability distribution functions.

USE - Used for measuring distance between Gaussian mixture type probability distribution function in **audio** based content retrieval applications for recognizing **text** independent speaker.

ADVANTAGE - Since the overall distance between the mixture type probability distribution functions are calculated from average distance between components of the functions, the necessity about the specific type of component distribution or same type of PDF are not required.

pp; 15 DwgNo 0/4

Title Terms: COMPUTER; BASED; DISTANCE; MEASURE; METHOD; RECOGNISE; **AUDIO**; BASED; CONTENT; EVALUATE; AVERAGE; DISTANCE; COMPONENT; PROBABILITY; DISTRIBUTE; FUNCTION; SPECIFIC; EQUATE

Derwent Class: T01

International Patent Class (Main): G06F-015/00

International Patent Class (Additional): G06F-017/18 ; G06F-101/14

File Segment: EPI

10/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014641768 \*\*Image available\*\*

WPI Acc No: 2002-462472/200249

Related WPI Acc No: 1999-633673

XRPX Acc No: N02-364635

**Hybrid file creation method for relaying digital motion video and audio data over communications medium, involves merging and compressing interpreted contents of two files with different file types**

Patent Assignee: WEI W S (WEIW-I); XU Z H (XUZH-I)

Inventor: WEI W S; XU Z H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010056575	A1	20011227	US 9853878	A	19980401	200249 B
			US 2001827059	A	20010405	

Priority Applications (No Type Date): US 2001827059 A 20010405; US 9853878 A 19980401

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010056575	A1	21	H04N-007/173	CIP of application	US 9853878
				CIP of patent	US 6243865

Abstract (Basic): US 20010056575 A1

NOVELTY - Two files having file **types** **different** from the **types** of other files are input. The header information of each file is read and interpreted, and the object lists are loaded. A hybrid file with a **different** file **type** is created by merging and compressing the interpreted contents of the two files.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for multiple file transmission method.

USE - For creating hybrid files containing digital motion **video** data, **audio** data, raster images, vector images, and **textual** information, for transmission through Internet, for applications

including interactive **video** walkthroughs of real estate properties or other processes, showcase for a product or process, for providing a **commentary** or presentation of a property, process, or product.

ADVANTAGE - The hybrid file increases **video** information transfer rate over Internet. Hence, saves time and provides convenience.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the functional description of the hybrid file creation method.

pp; 21 DwgNo 1/16

Title Terms: HYBRID; FILE; CREATION; METHOD; RELAY; DIGITAL; MOTION; **VIDEO** ; **AUDIO** ; DATA; COMMUNICATE; MEDIUM; MERGE; COMPRESS; INTERPRETATION;

CONTENT; TWO; FILE; FILE; TYPE

Derwent Class: T01; W02; W04

International Patent Class (Main): H04N-007/173

International Patent Class (Additional): G06F-007/00; **G06F-017/00** ;

H04N-007/12

File Segment: EPI

10/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014634414 \*\*Image available\*\*

WPI Acc No: 2002-455118/200248

XRPX Acc No: N02-358904

**Data definitions for storing, retrieving, and tracking digital data comprising metadata for at least two types of digital assets selected from photographs, audio recordings, video recordings, movies, graphics and text documents**

Patent Assignee: TIME WARNER ENTERTAINMENT CO LP (TIME-N)

Inventor: HIXSON C; MORONEY A; PROBST B E

Number of Countries: 099 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200248920	A2	20020620	WO 2001US47798	A	20011212	200248 B
AU 200230745	A	20020624	AU 200230745	A	20011212	200267

Priority Applications (No Type Date): US 2000254991 P 20001212

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200248920 A2 E 46 G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

AU 200230745 A G06F-017/30 Based on patent WO 200248920

Abstract (Basic): WO 200248920 A2

NOVELTY - Data definitions for digital assets, such as, for example, **audio** , **video** , photographs, graphics, and electronic documents, are provided that allow these **different** asset **types** to be stored in a single database. The definitions are preferably in XML and can be used as a standardized dictionary to more efficiently and economically manage digital assets, thus improving system interoperability between companies or organizations within a company. A digital asset ordering interface, hardware system, software arrangement, and application interface configuration advantageously using these data definitions are also provided.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are made for: a) a database; b) a digital asset library; c) a method of retrieving digital assets from a single digital asset library.

USE - Data definitions for storing, retrieving, and tracking digital data.

ADVANTAGE - Allows disparate types of digital assets, such as, for example, photographs, graphics, **audio** , **video** , and **text** documents,

to be easily and economically stored, retrieved and tracked. The provision of data definitions reduces the digital asset search and delivery times.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the integrated software for the invention.

pp; 46 DwgNo 3/7

Title Terms: DATA; DEFINE; STORAGE; RETRIEVAL; TRACK; DIGITAL; DATA; COMPRISE; TWO; TYPE; DIGITAL; SELECT; PHOTOGRAPH; **AUDIO** ; RECORD; **VIDEO** ; RECORD; GRAPHIC; **TEXT** ; DOCUMENT

Derwent Class: T01

International Patent Class (Main): **G06F-017/30**

File Segment: EPI

10/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014494100 \*\*Image available\*\*

WPI Acc No: 2002-314803/200235

XRFX Acc No: N02-246425

**Multimedia system for computer terminal device, executes application program so that program communicates with sequencer for effecting start-stop control of synchronization of tracks**

Patent Assignee: YAMAHA CORP (NIHG ); SONE T (SONE-I)

Inventor: SONE T

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010052943	A1	20011220	US 2001871543	A	20010531	200235 B
JP 2002055782	A	20020220	JP 2001139115	A	20010509	200235
KR 2001110178	A	20011212	KR 200130837	A	20010601	200237
GB 2368685	A	20020508	GB 200113242	A	20010531	200238

Priority Applications (No Type Date): JP 2000166719 A 20000602

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20010052943	A1		15	H04N-007/00	
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JP 2002055782	A		12	G06F-003/06	
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KR 2001110178	A			G06F-019/00	
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GB 2368685	A			G06F-017/30	
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Abstract (Basic): US 20010052943 A1

NOVELTY - A **multimedia** file with sequence tracks is stored in a file memory (4). A sequencer processes the file for synchronizing the tracks based on prestored synchronization information. An executing unit executes an application program so that the program communicates with the sequencer for effecting start and stop control of synchronization of the tracks.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) **Multimedia** file;

(b) **Multimedia** file execution method

USE - **Multimedia** system used in computer terminal device, portable terminal device, portable telephone for handling **various types of multimedia** information like sounds, images, **texts**, etc.

ADVANTAGE - The **multimedia** information is handled remarkably and fine synchronization control between respective information is realized. By effecting synchronization of the sequence tracks, synchronization of information between the sequence tracks is set suitably.

DESCRIPTION OF DRAWING(S) - The figure shows the hardware of **multimedia** execution system.

File memory (4)

pp; 15 DwgNo 1/6

Title Terms: SYSTEM; COMPUTER; TERMINAL; DEVICE; EXECUTE; APPLY; PROGRAM; SO; PROGRAM; COMMUNICATE; SEQUENCE; EFFECT; START; STOP; CONTROL; SYNCHRONISATION; TRACK

Derwent Class: T01; W01; W04  
International Patent Class (Main): G06F-003/06; **G06F-017/30** ; G06F-019/00;  
H04N-007/00  
International Patent Class (Additional): G11B-027/00; G11B-027/031;  
H04N-011/00  
File Segment: EPI

10/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014420139 \*\*Image available\*\*  
WPI Acc No: 2002-240842/200229  
XRPX Acc No: N02-185990

**User terminal screen information pagination by determining space available on screen and resizing elements for display**  
Patent Assignee: NOKIA CORP (OYNO ); NOKIA INC (OYNO )  
Inventor: AALTONEN M; ANTTILA A; BELETSKI O; HAMEEN-ANTTILA T; JARVINEN T;  
KINNUNEN T; KOPRA T; MADAN H; MAKIPAA M; SODERGARD C; TAMMELA A;  
TANSKANEN E; VAATANEN A; VUORENOJA J  
Number of Countries: 094 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
WO 200193097 A2 20011206 WO 2001IB907 A 20010523 200229 B  
AU 200156593 A 20011211 AU 200156593 A 20010523 200229

Priority Applications (No Type Date): US 2000584499 A 20000601

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200193097 A2 E 39 G06F-017/30  
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS  
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
AU 200156593 A G06F-017/30 Based on patent WO 200193097

Abstract (Basic): WO 200193097 A2

NOVELTY - Method consists in identifying the user terminal type and screen size when the user terminal logs on, extracting layout rules and typographical settings from a database based on the user terminal type, calculating the space required to display an information page element, determining if the space is available on the user screen, resizing the element if there is not enough, and displaying it.

DETAILED DESCRIPTION - The element is **text** , graphics, images, **video** etc. Resizing is by splitting the element into individual blocks so that as much of it that can fit is fitted and the rest is moved on to successive screens.

There are INDEPENDENT CLAIMS for (1) an information pagination system, (2) a computer program.

USE - Method is for displaying data regardless of size, screen type, processor or browser.

ADVANTAGE - Method obviates the need for a web site operator to generate and maintain different web pages for **different** devices and screen **types** , and allows the user to use any browser without losing any information when viewing on a small screen.

DESCRIPTION OF DRAWING(S) - The figure shows an overall system diagram for the method.

pp; 39 DwgNo 1/9

Title Terms: USER; TERMINAL; SCREEN; INFORMATION; PAGE; DETERMINE; SPACE; AVAILABLE; SCREEN; ELEMENT; DISPLAY

Derwent Class: T01  
International Patent Class (Main): **G06F-017/30**  
File Segment: EPI

10/5/7 (Item 7 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014358056 \*\*Image available\*\*  
WPI Acc No: 2002-178757/200223  
XRPX Acc No: N02-135920

Multimedia content adapting method for diverse client devices by  
transcoding the content into a number of different versions and  
selecting one or more versions to generate customized content at a client  
device

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: LI C; MOHAN R; SMITH J R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6345279	B1	20020205	US 99298576	A	19990423	200223 B

Priority Applications (No Type Date): US 99298576 A 19990423

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6345279	B1		14	G06F-017/30	

Abstract (Basic): US 6345279 B1

NOVELTY - **Multimedia** content is transcoded into **different versions** with **different** modalities and **resolutions** and all versions that are not compatible with capabilities (320) of client device are filtered out (420). Some of the resources (330) at client device are allocated among the items of **multimedia** content and some of the remaining transcoded versions are selected to generate customized content (370) based on the allocation of device resources.

DETAILED DESCRIPTION - The transcoding may involve separating the **multimedia** content, which may include a web page and **audio**, **video**, **graphics** and **text** items, into individual content items. Each content item may be assigned a priority and a fidelity measure and the sum of the products of the priority and fidelity measures is maximized for the content versions so that the resources associated with the client device are not exceeded.

An INDEPENDENT CLAIM is included for apparatus for adapting **multimedia** content to diverse client devices and for a computer program.

USE - Adapting **multimedia** content to diverse client devices.

ADVANTAGE - Allows dynamic adaptation of content for individual client devices.

DESCRIPTION OF DRAWING(S) - The flow chart represents a document adapting process.

Capabilities (320)

Resources (330)

Customized documents (370)

Filtered versions (420)

pp; 14 DwgNo 4/9

Title Terms: CONTENT; ADAPT; METHOD; DIVERSE; CLIENT; DEVICE; TRANSCODER;  
CONTENT; NUMBER; VERSION; SELECT; ONE; MORE; VERSION; GENERATE; CONTENT;  
CLIENT; DEVICE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/8 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014345016 \*\*Image available\*\*  
WPI Acc No: 2002-165719/200222  
XRPX Acc No: N02-126544

Multimedia integration and annotation system for Web based  
presentations wherein video, audio, images, HTML Links and electronic

**documents are all combined into a single multimedia stream**

Patent Assignee: SIEMENS CORP RES INC (SIEI )

Inventor: LIOU S; RIBIER R; TOKLU C

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1126721	A1	20010822	EP 2001301393	A	20010216	200222 B
CA 2336577	A1	20010816	CA 2336577	A	20010214	200222

Priority Applications (No Type Date): US 2000505983 A 20000216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1126721	A1	E	16	H04N-007/24	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI TR

CA 2336577	A1	E		H04N-005/222	
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Abstract (Basic): EP 1126721 A1

NOVELTY - The integration system allows the user to add **text** , images, 3D objects, HTML links and electronic documents e.g. spreadsheets to an **audio** visual presentation. The combined presentation can then be accessed via a web site as a streamed **multimedia** download requiring a browser plugin or as a slide show. A link to the streamed download can also be forwarded within an email or the presentation sent as a executable attachment.

USE - To provide an **annotated** presentation or message over the Internet.

ADVANTAGE - By adding **different types** of electronic data to a presentation, more information is made available than in a **video** clip. As the presentation is designed to use streaming download techniques, a high speed - high bandwidth Internet connection is not required. Emailing a link to the presentation instead of the presentation also avoids the need to send and download large files.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the **annotation** system.

pp; 16 DwgNo 6/9

Title Terms: INTEGRATE; SYSTEM; WEB; BASED; PRESENT; **VIDEO** ; **AUDIO** ;

IMAGE; LINK; ELECTRONIC; DOCUMENT; COMBINATION; SINGLE; STREAM

Derwent Class: T01; W01; W02

International Patent Class (Main): H04N-005/222; H04N-007/24

International Patent Class (Additional): **G06F-017/30** ; **G06F-017/60** ;

H04L-012/16; H04L-012/58; H04M-003/533

File Segment: EPI

10/5/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014311089

WPI Acc No: 2002-131791/200218

XRPX Acc No: N02-099352

**Navigation device has processor, global positioning system and display to depict scene by assembling objects, where objects include advertising material**

Patent Assignee: BOSCH GMBH ROBERT (BOSC )

Inventor: BEHRENS R; WAWRA M

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19957550	A1	20010607	DE 1057550	A	19991130	200218 B
JP 2001201357	A	20010727	JP 2000359866	A	20001127	200218
DE 19957550	C2	20011213	DE 1057550	A	19991130	200218

Priority Applications (No Type Date): DE 1057550 A 19991130

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19957550	A1		6	G01C-021/00	
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JP 2001201357 A 6 G01C-021/00  
DE 19957550 C2 G01C-021/00

Abstract (Basic): DE 19957550 A1

NOVELTY - The device has a processor and a global positioning system detector to determine the position. The device also has a display to depict a perspective or two-dimensional scene of the region, by assembling objects. The objects to display the scene include advertising material. The number of advertising objects is preferably a function of the vehicle **speed**. **Additional** information may be obtained using an input device. The device may also have a loudspeaker for **audio** output.

USE - Vehicle navigation.

ADVANTAGE - Improved display possibilities, e.g. **animation**, **video** or **audio** data, **text** insertion. Device displays interesting advertising, but not advertising that is not interesting to user.

pp; 6 DwgNo 0/2

Title Terms: NAVIGATION; DEVICE; PROCESSOR; GLOBE; POSITION; SYSTEM;

DISPLAY; DEPICTED; SCENE; ASSEMBLE; OBJECT; OBJECT; ADVERTISE; MATERIAL

Derwent Class: P85; S02; W04; W06; X22

International Patent Class (Main): G01C-021/00

International Patent Class (Additional): G01C-021/28; **G06F-017/60** ;

G08G-001/0969; G09F-027/00

File Segment: EPI; EngPI

**10/5/10 (Item 10 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014228096 \*\*Image available\*\*

WPI Acc No: 2002-048794/200206

Related WPI Acc No: 2002-017656; 2002-017658; 2002-066385; 2002-089179;  
2002-226576; 2002-237731; 2002-268069

XRPX Acc No: N02-036113

**Digital document processing system for interactive internet based CATV system, parses input byte stream into stream of document objects converted into internal representation data and mapped to location on display**

Patent Assignee: ANWAR M (ANWA-I)

Inventor: ANWAR M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010042078	A1	20011115	US 2001835484	A	20010416	200206 B

Priority Applications (No Type Date): GB 20009129 A 20000414

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010042078	A1		20	G06F-015/00	

Abstract (Basic): US 20010042078 A1

NOVELTY - An application dispatcher associates received input byte stream representing source data with one of the predetermined data formats. A document agent (12) parses the input byte stream interpreted as a function of associated data format into a stream of document objects which are converted into an internal representation data format by a document engine. The internal representation data are mapped to a location on the display.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Digital content display method;

(b) System for interacting with contents in digital document

USE - E.g. palm top computers, portable digital assistance (PDA), tablet type PDA, internet based mobile telephones, set of boxes for processing digital documents comprising **text**, graphical images, animated graphical images, full motion **video** images, interactive icons, buttons, menus, hyperlens, non-visual elements such as **audio** visual elements. Also for interactive internet based cable television

(CTV) system.

ADVANTAGE - Ensures flexible and extensible front end for processing incoming data streams of **different** file **formats**, hence the processed information are displayed reliably without the control of application program.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of digital document processing system.

Document agent (12)

pp; 20 DwgNo 2/8

Title Terms: DIGITAL; DOCUMENT; PROCESS; SYSTEM; INTERACT; BASED; CATV; SYSTEM; INPUT; BYTE; STREAM; STREAM; DOCUMENT; OBJECT; CONVERT; INTERNAL; REPRESENT; DATA; MAP; LOCATE; DISPLAY

Derwent Class: P85; T01

International Patent Class (Main): G06F-015/00

File Segment: EPI; EngPI

10/5/11 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014190654 \*\*Image available\*\*

WPI Acc No: 2002-011351/200201

XRPX Acc No: N02-009401

**System for managing multimedia content to provide users with a simple and intuitive method for reviewing multimedia content using plural predefined functions**

Patent Assignee: SMARTDISK CORP (SMAR-N)

Inventor: GONZALES J; KAPLAN J; MARTIN R; PROTHEROE R; RIGGLE D; CAMPBELL B

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200182624	A2	20011101	WO 2001US13484	A	20010426	200201 B
US 20010056434	A1	20011227	US 2000200096	P	20000427	200206
			US 2000202469	P	20000508	
			US 2001821745	A	20010329	
AU 200157310	A	20011107	AU 200157310	A	20010426	200219

Priority Applications (No Type Date): US 2000202469 P 20000508; US 2000200096 P 20000427; US 2001821745 A 20010329

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200182624 A2 E 48 H04N-007/173

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20010056434 A1 G06F-017/00 Provisional application US 2000200096

Provisional application US 2000202469

AU 200157310 A H04N-007/173 Based on patent WO 200182624

Abstract (Basic): WO 200182624 A2

NOVELTY - A **multimedia** management system (10) for storing, manipulating and displaying **multimedia** content includes a user interface (12), plural predefined functions (14), a **multimedia** acquisition interface (16) and system controls (18). The system provides a simple and intuitive method and computer program for reviewing the **multimedia** content, which can include digital **video**, digital **audio** and **text**, still images, **animation** etc. in **various multimedia** file **formats**.

USE - **Multimedia** content and digital data processing.

ADVANTAGE - Facilitating tracking and organizing of computer files with **multimedia** content.

DESCRIPTION OF DRAWING(S) - The drawing shows the system System (10)



User interface (12)  
Predefined functions (14)  
System controls (18)  
pp; 48 DwgNo 1/22  
Title Terms: SYSTEM; MANAGE; CONTENT; USER; SIMPLE; METHOD; CONTENT; PLURAL  
; PREDEFINED; FUNCTION  
Derwent Class: T01; W02; W04  
International Patent Class (Main): G06F-017/00 ; H04N-007/173  
International Patent Class (Additional): G06F-015/16  
File Segment: EPI

10/5/12 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014123279 \*\*Image available\*\*  
WPI Acc No: 2001-607491/200169  
XRPX Acc No: N01-453478

**Computer-implemented multimedia annotation for still images, involves receiving annotation definition and synchronizing vector annotation including structure elements, with temporal portions of multimedia object**

Patent Assignee: STARLAB NV/SA (STAR-N)  
Inventor: BOOGHMANS K; LINDSAY A  
Number of Countries: 019 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200169438	A2	20010920	WO 2001IB649	A	20010314	200169 B

Priority Applications (No Type Date): US 2000189131 P 20000314

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200169438	A2	E	23	G06F-017/30	

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR

Abstract (Basic): WO 200169438 A2

NOVELTY - An **annotation** definition including its structure is received and a vector **annotation** is generated with one or more elements corresponding to the elements of **annotation** structure. The elements are populated with metadata describing portion of the content of **multimedia** object. The **annotation** definition and vector **annotation** are associated with the object such that vector **annotation** is synchronized with temporal portion of the object.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) **Annotated multimedia** object processing method;
- (b) Computer program for **annotating** a **multimedia** object;
- (c) **Annotated multimedia** object

USE - For **annotating multimedia** objects such as photograph or still images, or **audio** or **video** stream, etc using internet.

ADVANTAGE - The user-defined **annotation** structure eliminates the need for restriction on **annotation** structure, then **annotations** can comprise a single value of given data type, a range of values of either same data **types** of **different** data **types**, complex structures e.g. tree or list.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of **multimedia annotation** generation method.

pp; 23 DwgNo 2/10

Title Terms: COMPUTER; IMPLEMENT; STILL; IMAGE; RECEIVE; DEFINE; VECTOR;  
STRUCTURE; ELEMENT; TEMPORAL; PORTION; OBJECT

Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

10/5/13 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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014122876

WPI Acc No: 2001-607088/200169

Related WPI Acc No: 2000-586856; 2001-657008; 2002-034205; 2002-054836;  
2002-129763; 2002-205679; 2002-238192; 2002-238288; 2002-526795;  
2002-617857

XRPX Acc No: N01-453191

**Storing and recalling information to augment the human memory such as  
video , audio and textual information, using recall tags to  
facilitate later retrieval**

Patent Assignee: TANGIS CORP (TANG-N); ABBOTT K H (ABBO-I); NEWELL D  
(NEWEL-I); ROBERTS J O (ROBA-I)

Inventor: ABBOTT K H; NEWELL D; ROBERTS J O

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200144978	A2	20010621	WO 2000US34316	A	20001215	200169 B
AU 200122736	A	20010625	AU 200122736	A	20001215	200169
US 20020032689	A1	20020314	US 99464659	A	19991215	200222
			US 2001876814	A	20010606	

Priority Applications (No Type Date): US 99464659 A 19991215; US 2001876814  
A 20010606

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200144978	A2	E	95	G06F-017/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200122736	A			G06F-017/00	Based on patent WO 200144978
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US 20020032689	A1			G06F-017/30	Cont of application US 99464659
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Abstract (Basic): WO 200144978 A2

NOVELTY - A variety of current state information of **different types** about the environment, a user and the computer can be acquired via sensors and other input devices and other information could be associated such as recall tags to facilitate layer retrieval of a group of state information. The tags are used to identify one or more state information groups that match the tags and input devices can record **audio** and **video** information presented on output devices. Augmented memory is stored for received indications by receiving **video / audio** information and **audio** recall tags from the user.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a computer readable medium with a computer program, for a computer system, for a memory data structure and for a data signal.

USE - Storing and recalling information to augment human memory.

ADVANTAGE - Storing and recalling **various types** of information.

pp; 95 DwgNo 0/18

Title Terms: STORAGE; RECALL; INFORMATION; AUGMENT; HUMAN; MEMORY; **VIDEO** ;  
**AUDIO** ; **TEXT** ; INFORMATION; RECALL; TAG; FACILITATE; LATE; RETRIEVAL

Derwent Class: T01; W04

International Patent Class (Main): G06F-017/00 ; G06F-017/30

File Segment: EPI

10/5/14 (Item 14 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014094469

**\*\*Image available\*\***

WPI Acc No: 2001-578683/200165

XRPX Acc No: N01-430599

**Computer-implemented document retrieval method for multimedia system,**

involves processing compound query with search operator and selectively retrieving compound documents satisfying query

Patent Assignee: EXCALIBUR TECHNOLOGIES CORP (EXCA-N)

Inventor: ANDERSON C H; DAVID M R; GARDNER P C; NELSON P E; WHITMAN R M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6243713	B1	20010605	US 98139290	A	19980824	200165 B

Priority Applications (No Type Date): US 98139290 A 19980824

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6243713	B1		41	G06F-017/30	

Abstract (Basic): US 6243713 B1

NOVELTY - **Text** and image tokens associated with corresponding **text** and image information are provided in a **multimedia** index (140). The tokens are indexed to list of documents which are indexed to image token, and reference data specifying position of image within the document, is identified. Compound query (150) has search operator defining logical relationship between **text** and image token with respect to index, is processed to selectively retrieve compound documents (100) satisfying compound query.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for recording medium to store document retrieval program.

USE - For **multimedia** system.

ADVANTAGE - Comparison functions are maintained with each function tuned for its own **multimedia** data type, to provide highest possible search accuracy. **Different types** of documents and **multimedia** components can be indexed and stored in a common database providing inexpensive and accurate merging of results.

DESCRIPTION OF DRAWING(S) - The figure shows the functional model of compound document retrieval method.

Compound documents (100)

**Multimedia** index (140)

Compound query (150)

pp; 41 DwgNo 2/16

Title Terms: COMPUTER; IMPLEMENT; DOCUMENT; RETRIEVAL; METHOD; SYSTEM;

PROCESS; COMPOUND; QUERY; SEARCH; OPERATE; SELECT; RETRIEVAL; COMPOUND;

DOCUMENT; SATISFY; QUERY

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014013822 \*\*Image available\*\*

WPI Acc No: 2001-498036/200155

Related WPI Acc No: 2001-466726

XRPX Acc No: N01-369086

**System architecture for a multimedia processing system for processing multimedia data such as voice, fax, text, Internet, etc. by breaking down a multimedia application into sub-blocks for processing different data types**

Patent Assignee: TRT-LUCENT TECHNOLOGIES (TRTT )

Inventor: RICHTER G; SOLVES J

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1065590	A1	20010103	EP 99460045	A	19990628	200155 B

Priority Applications (No Type Date): EP 99460045 A 19990628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1065590	A1	F	5	G06F-009/445	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1065590 A1

NOVELTY - Each **multimedia** block has an input interface to connect to at least one communications bus and at least one output interface to connect it to at least one communications bus. Either or both of the interfaces has a number of ports for connecting to **different types** of communication bus. Each **multimedia** task is broken down into a collection of sub-blocks for processing using an appropriate interface.

USE - Procedure for handling **multimedia** messages, i.e. messages of all types: voice, fax, data, Internet, etc., for their processing, selection, forwarding, etc.

ADVANTAGE - System is able to accept and process messages of all types in an efficient manner.

DESCRIPTION OF DRAWING(S) - Figure shows an application interface and **multimedia** processing blocks.

application interface (A1)  
processing blocks (B1, B2)  
output interfaces. (IS1, IS2)  
pp; 5 DwgNo 1/1

Title Terms: SYSTEM; ARCHITECTURE; PROCESS; SYSTEM; PROCESS; DATA; VOICE;  
FACSIMILE; **TEXT**; BRAKE; DOWN; APPLY; SUB; BLOCK; PROCESS; DATA; TYPE  
Derwent Class: T01; W01; W02; W04  
International Patent Class (Main): G06F-009/445  
International Patent Class (Additional): **G06F-015/177**  
File Segment: EPI

10/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013890029 \*\*Image available\*\*

WPI Acc No: 2001-374242/200139

XRPX Acc No: N01-273832

**Streaming multi - media content has client computer determining  
performed as integral part of installation of multi - media content  
player**

Patent Assignee: KENYON J A (KENY-I); ST JOHN A K (SJOH-I); WILD TANGENT  
INC (WILD-N); ST J A K (STJA-I)

Inventor: KENYON J A; ST JOHN A K

Number of Countries: 095 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200122364	A2	20010329	WO 2000US40913	A	20000915	200139 B
AU 200119614	A	20010424	AU 200119614	A	20000913	200141
US 20020065925	A1	20020530	US 99399065	A	19990918	200240
EP 1214844	A2	20020619	EP 2000982605	A	20000915	200240
			WO 2000US40913	A	20000915	

Priority Applications (No Type Date): US 99399065 A 19990918

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200122364 A2 E 27 G06T-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200119614 A G06T-000/00 Based on patent WO 200122364

US 20020065925 A1 G06F-015/16

EP 1214844 A2 E H04N-007/173 Based on patent WO 200122364

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200122364 A2

NOVELTY - A client computer (104) determining operating characteristic value(s) which are selected from a group consisting of communication bandwidth, processor power, availability of memory and swap space, memory and bus speed, and availability of **video** memory, digital signal processing for **audio** decompression, and graphics acceleration, for at least one operating characteristic of the client computer; and adaptively requesting streaming of model data (106) from a remote content providing server (102).

DETAILED DESCRIPTION - Determining is performed as an integral part of an installation of a **multi - media** content player (108), and the adaptively requesting streaming of model data includes requesting a remote content providing server for **different versions** of the model data based on the determined operating characteristic value(s) of at least one operating characteristic of the client computer, is performed by the **multi - media** content player. The model comprise of data selected from a group consisting of geometry data, lighting data, coloring data, **texturing** data, **animation** data, and **audio** data.

An INDEPENDENT CLAIM is also included for A client computer system.

USE - Streaming of **multi - media** contents.

ADVANTAGE - A server streams requested versions of the requested model data to the **multi - media** content player for rendering. As a result, user experience at the client computer is enhanced.

DESCRIPTION OF DRAWING(S) - The figure shows an overview of the dynamic scalable content streaming.

Server (102)

Client computer (104)

Model data (106)

**Multi - media** content player (108)

pp; 27 DwgNo 1/9

Title Terms: STREAM; MULTI; MEDIUM; CONTENT; CLIENT; COMPUTER; DETERMINE;

PERFORMANCE; INTEGRAL; PART; INSTALLATION; MULTI; MEDIUM; CONTENT; PLAY

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16 ; G06T-000/00; H04N-007/173

File Segment: EPI

10/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013576234 \*\*Image available\*\*

WPI Acc No: 2001-060441/200107

Related WPI Acc No: 2001-060468

XRPX Acc No: N01-045239

**Network site analysis modeling software for computer network sites, provides modeling of elements in and human interaction with interlinked scenes and global model software component for path modeling**

Patent Assignee: WEBCRITERIA INC (WEBC-N)

Inventor: TILT C E; WILLIAMSON A C; LYNCH G; PALMITER S

Number of Countries: 082 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200055715	A1	20000921	WO 2000US6515	A	20000313	200107 B
AU 200035263	A	20001004	AU 200035263	A	20000313	200107
US 6360235	B1	20020319	US 99268815	A	19990316	200224

Priority Applications (No Type Date): US 99268815 A 19990316; US 99124678 P 19990316

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200055715	A1	E	29	G06F-003/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200035263	A			G06F-003/00	Based on patent WO 200055715
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Abstract (Basic): WO 200055715 A1

NOVELTY - Scene model software component provides modeling of elements such as **text**, image, **audio** and **video** in each interlinked scenes (30), and modeling of human user interaction with the scenes, which includes perceptual, cognitive and motor aspects of interaction. The global model software component provides a graph theory model of paths between scenes, which has several vertices and edges that corresponds to the scene and links respectively.

DETAILED DESCRIPTION - Another interscene model software component in the software provides modeling of transaction between the interlinked scenes. INDEPENDENT CLAIMS are also included for the following:

(a) network site analysis modeling method;

(b) computer readable medium for storing network site analysis modeling software

USE - In computer network site such as world wide web for modeling interlinked pages or scenes available in sites such as data, news, entertainment, etc.

ADVANTAGE - Provides objective standard and models for representing and analyzing network sites of arbitrary complexity. Graph theory modeling reduces many links to one or more shortest paths to reach the scene from a predefined initial scene. The modeling of one or more perceptual, cognitive and motor aspects of user interaction, explicitly accommodate **several types** of scene elements.

DESCRIPTION OF DRAWING(S) - The figure shows the diagrammatic representation of multiple interlinked network accessible computer files that are illustrated as interlinked pages or scenes.

Interlinked scenes (30)

pp; 29 DwgNo 2/6

Title Terms: NETWORK; SITE; ANALYSE; SOFTWARE; COMPUTER; NETWORK; SITE; ELEMENT; HUMAN; INTERACT; INTERLINKED; SCENE; GLOBE; MODEL; SOFTWARE; COMPONENT; PATH

Derwent Class: T01

International Patent Class (Main): G06F-003/00; **G06F-017/21**

File Segment: EPI

10/5/18 (Item 18 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013514667 \*\*Image available\*\*

WPI Acc No: 2000-686613/200067

XRPX Acc No: N00-507664

**Content extraction method involves extracting content from searched document which is associated with designated attributes**

Patent Assignee: GILL T (GILL-I); QUARK MEDIA HOUSE SARL (QUAR-N); QUARK INC (QUAR-N)

Inventor: GILL T; KNOSHAUG D; LIN W; NIES Z

Number of Countries: 090 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200046694	A1	20000810	WO 2000US2747	A	20000202	200067 B
AU 200027532	A	20000825	AU 200027532	A	20000202	200067
EP 1240599	A1	20020918	EP 2000905944	A	20000202	200269
			WO 2000US2747	A	20000202	
JP 2002536745	W	20021029	JP 2000597706	A	20000202	200274
			WO 2000US2747	A	20000202	

Priority Applications (No Type Date): US 99243744 A 19990203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200046694 A1 E 19 G06F-017/28

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW  
AU 200027532 A G06F-017/28 Based on patent WO 200046694  
EP 1240599 A1 E G06F-017/28 Based on patent WO 200046694  
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE  
JP 2002536745 W 21 G06F-017/21 Based on patent WO 200046694

Abstract (Basic): WO 200046694 A1

NOVELTY - The attributes are designated to elements of structural document model. The document for designated attributes, is searched. The content from the document which is associated with designated attributes, is extracted.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for content extracting system.

USE - For extracting content such as **text** , **audio** , **video** or embedded programs such as Java or applets from document for WWW, internet, intranet or other interconnected electronic information sharing systems.

ADVANTAGE - There is no need for manual intervention in extracting the content from document, hence enables to quickly extract content from existing document, thus **several** documents of similar **type** is created from existing documents.

DESCRIPTION OF DRAWING(S) - The figure shows screen shot of the document.

pp; 19 DwgNo 1/5

Title Terms: CONTENT; EXTRACT; METHOD; EXTRACT; CONTENT; SEARCH; DOCUMENT; ASSOCIATE; DESIGNATED; ATTRIBUTE

Derwent Class: T01

International Patent Class (Main): G06F-017/21 ; G06F-017/28

International Patent Class (Additional): G06F-017/30

File Segment: EPI

10/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013514585 \*\*Image available\*\*

WPI Acc No: 2000-686531/200067

XRPX Acc No: N01-005545

**Data mining method for computer network involves downloading web pages, when uniform resource locator portion and uniform resource locator variable portion respectively matches and differs with that of displayed web page**

Patent Assignee: SMART ONLINE INC (SMAR-N)

Inventor: COLLAZO J; NARHARI A; NOURI H

Number of Countries: 086 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045297	A1	20000803	WO 99US26632	A	19991112	200067 B
AU 200014757	A	20000818	AU 200014757	A	19991213	200067

Priority Applications (No Type Date): US 98196794 A 19981120

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200045297 A1 E 66 G06F-017/30

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200014757 A G06F-017/30 Based on patent WO 200045297

Abstract (Basic): WO 200045297 A1

NOVELTY - A root portion and variable portion of URL is determined

for the web page which is displayed through network. The set of web pages which have URL root portion matching with that of displayed web pages and URL variable portion different from that of displayed web page are identified within host computer and automatically downloaded to the client computer.

DETAILED DESCRIPTION - The user interface allows user to identify root and variable portion of the URL for displayed web page automatically, when web page is displayed through client computer. An INDEPENDENT CLAIM is also included for the following;

- (a) data collection system;
- (b) data collection program.

USE - For downloading web pages having URL with root portion same or different variable portion, through internet.

ADVANTAGE - Information which is not limited to only **text**, image sound and **video** is automatically collected from internet without accessing each file containing the desired information. Value to downloaded information is enhanced because user re-**formats** the data into **various** user defined **formats** easily.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart for data mining method.

pp; 66 DwgNo 4/11

Title Terms: DATA; MINE; METHOD; COMPUTER; NETWORK; WEB; PAGE; UNIFORM; RESOURCE; LOCATE; PORTION; UNIFORM; RESOURCE; LOCATE; VARIABLE; PORTION; RESPECTIVE; MATCH; DIFFER; DISPLAY; WEB; PAGE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/20 (Item 20 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013162895 \*\*Image available\*\*

WPI Acc No: 2000-334768/200029

XRPX Acc No: N00-252459

Multimedia **information processing method, involves stipulation group information obtained by grouping all relationship information regarding three different types of information**

Patent Assignee: FUJI XEROX CO LTD (XERF )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000105721	A	20000411	JP 98275502	A	1998092	200029 B

Priority Applications (No Type Date): JP 98275502 A 19980929

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000105721	A		9	G06F-012/00	

Abstract (Basic): JP 2000105721 A

NOVELTY - At least two among three relationship information (R(A,B),R(A,C),R(B,C)) are stipulated to stipulate the relationship between the information (A,B) or the information (A,C) or the information (B,C) such as **text**, still picture, **audio** information and moving image. The group information obtained by grouping all relationship information is stipulated.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) information processor;
- (b) recording medium

USE - For processing **multimedia** information for communication or presentation with a person.

ADVANTAGE - Performs information management smoothly since the user can unify the information depending on the objective.

pp; 9 DwgNo 1/7

Title Terms: INFORMATION; PROCESS; METHOD; GROUP; INFORMATION; OBTAIN; GROUP; RELATED; INFORMATION; THREE; TYPE; INFORMATION



Derwent Class: T01  
International Patent Class (Main): G06F-012/00  
International Patent Class (Additional): G06F-017/30  
File Segment: EPI

10/5/21 (Item 21 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013036475 \*\*Image available\*\*  
WPI Acc No: 2000-208327/200019  
XRPX Acc No: N00-155351

**Information authentication system e.g. for multimedia data**

Patent Assignee: HITACHI LTD (HITA )  
Inventor: KAJI T; NAGANO H; SUSAKI S; TOYODA H; TOYOSHIMA H  
Number of Countries: 026 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 984598	A2	20000308	EP 99116984	A	19990827	200019 B
JP 2000148593	A	20000530	JP 99242712	A	19990830	200033

Priority Applications (No Type Date): JP 98244719 A 19980831

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 984598	A2	E	22	H04L-029/06	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI  
JP 2000148593 A 20 G06F-012/14

**Abstract (Basic): EP 984598 A2**

NOVELTY - The system has an information generating terminal (1401) and an information browsing terminal (1403) which are mutually connected via a communication network (100). The information generating terminal generates **multimedia** data (400) to be sent to the information browsing terminal. Second **multimedia** data is generated guaranteeing authenticity of the first **multimedia** data. Third **multimedia** data (407) are generated using the two **multimedia** data and transmitting the third **multimedia** data to the information browsing terminal.

DETAILED DESCRIPTION - The information browsing terminal includes receives the third **multimedia** data sent from the information generating terminal and separating the first **multimedia** data and the second **multimedia** data from the third **multimedia** data. Authenticity of the first **multimedia** data is verified by use of the second **multimedia** data. The first **multimedia** data to be browsed is enabled. An INDEPENDENT CLAIM is included for an authenticity guaranteeing program, and **multimedia** data.

USE - For **multimedia** data.

ADVANTAGE - Handles **multimedia** data having **several different** data **formats** such as **text** data, word processor documents, Web pages, drawings, **audio** data image data, and **video** data.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram showing an outline of constitution of a first embodiment of an authentication system in accordance with the invention.

Communication network (100)

**Multimedia** data (400)

Third **multimedia** data (407)

Information generating terminal (1401)

Information browsing terminal (1403)

pp; 22 DwgNo 1/12

Title Terms: INFORMATION; AUTHENTICITY; SYSTEM; DATA

Derwent Class: P85; W01

International Patent Class (Main): G06F-012/14; H04L-029/06

International Patent Class (Additional): G06F-012/16; G06F-015/00 ;

G09C-001/00; H04L-009/32; H04L-012/22

File Segment: EPI; EngPI

10/5/22 (Item 22 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012965424 \*\*Image available\*\*

WPI Acc No: 2000-137275/200012

XRPX Acc No: N00-102593

**Apparatus for compiling, processing, transmitting, and reporting data and information**

Patent Assignee: BELLER S E (BELL-I)

Inventor: BELLER S E

Number of Countries: 022 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200002144	A1	20000113	WO 98US13971	A	19980706	200012 B
EP 1093622	A1	20010425	EP 98934280	A	19980706	200124
			WO 98US13971	A	19980706	

Priority Applications (No Type Date): WO 98US13971 A 19980706

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200002144 A1 E 69 G06F-017/30

Designated States (National): CA IL JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE

EP 1093622 A1 E G06F-017/30 Based on patent WO 200002144

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
MC NL PT SE

Abstract (Basic): WO 200002144 A1

NOVELTY - An output device (7), such as a printer or a plotter, outputs data and information such as hard copy reports. A presentation device (6) indicates the operation of the apparatus, and displays the output data and information of the output device. A report format file provides structuring report formats and retrieving information and data from external sources.

DETAILED DESCRIPTION - A processing file enables the processing of digital signals stored by a storage device (8) including algorithms. A portable report file enables the storage and the transmission of the processed digital signals in report ready format. An independent record file or an internal database file enables the storage and transmission of information or data as referring to a single unit or occurrence. A data and information compilation unit acquires the stored digital signals. A ROM (3) and a RAM (4) store the digital signals in electronic and magnetic forms. A user input device (5) is used to enter control commands, and the digital signals and algorithms. A CPU (2) regulates the apparatus via instruction from one algorithm.

An INDEPENDENT CLAIM also includes a method for acquiring, storing, analyzing, integrating, organizing, transmitting, and reporting data and information.

USE - For compiling, processing, transmitting, and reporting data and information e.g. alphanumeric values, **text**, physical and mental symbols, statistical representations, graphical representations, **audio video** signals and signs.

ADVANTAGE - Enables efficient compilation of large quantities of data utilizing easy to use branching logic routines. Need to define the type of data and information in a field so that **different types** of data can be entered into a single field becomes unnecessary. Eliminates sparseness by storing data only to a record or field that contains data. Also eliminates overhead required for structural integrity in multidimensional databases. Provides unprecedented analytic capabilities since data and information on any field or record can be processed. Enables continuous modifications of report generation algorithms without disrupting other system components.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the apparatus.

CPU (2)

ROM (3)  
RAM (4)  
Input device (5)  
Presentation device (6)  
Output device (7)  
Storage device (8)  
pp; 69 DwgNo 1/7

Title Terms: APPARATUS; COMPILE; PROCESS; TRANSMIT; REPORT; DATA;  
INFORMATION  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

10/5/23 (Item 23 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012934344 \*\*Image available\*\*  
WPI Acc No: 2000-106191/200009  
Related WPI Acc No: 1999-429806  
XRPX Acc No: N00-081552

**Interactive application modification system for client server application**  
Patent Assignee: ONLINE ANYWHERE (ONLI-N); YAHOO CORP (YAH0-N); YAHOO INC (YAH0-N)

Inventor: MENDHEKAR A; VISHWANATH M  
Number of Countries: 087 Number of Patents: 007  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9966673	A1	19991223	WO 99US12955	A	19990611	200009	B
AU 9945560	A	20000105	AU 9945560	A	19990611	200024	
EP 1086553	A1	20010328	EP 99928509	A	19990611	200118	
			WO 99US12955	A	19990611		
US 6216157	B1	20010410	US 97970735	A	19971114	200122	
			US 9898670	A	19980617		
CN 1312995	A	20010912	CN 99809735	A	19990611	200202	
KR 2001071516	A	20010728	KR 2000714410	A	20001218	200208	
JP 2002518766	W	20020625	WO 99US12955	A	19990611	200243	
			JP 2000555391	A	19990611		

Priority Applications (No Type Date): US 9898670 A 19980617; US 97970735 A 19971114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9966673	A1	E	38	H04L-012/28	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9945560	A			H04L-012/28	Based on patent WO 9966673
EP 1086553	A1	E		H04L-012/28	Based on patent WO 9966673
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
US 6216157	B1			G06F-013/38	CIP of application US 97970735
CN 1312995	A			H04L-012/28	
KR 2001071516	A			H04L-012/28	
JP 2002518766	W		33	G06F-013/00	Based on patent WO 9966673

Abstract (Basic): WO 9966673 A1

NOVELTY - An adaptive transmission transducer coupled to appliance specific transducer, modifies the appliance specific output based on at least one characteristic of the application and medium of transmission to generate an adapted output to be delivered through the medium to the client which decodes the adapted output to produce a modified version of the interactive application.

DETAILED DESCRIPTION - The appliance specific transducer (150)

modifies the application based on at least one characteristic of the client and at least one characteristic of the application to generate an appliance specific output, in response to client's request for interactive application. INDEPENDENT CLAIMS are also included for the following:

(a) server apparatus in server for delivering push application to client through a transmission medium;

(b) client apparatus in client for generating modified version of push application received from server;

(c) method of modifying an interactive application by server;

(d) method of modifying a push application by server;

(e) method of generating modified version of push application received from server through transmission medium by client.

USE - For application such as page to printer, **note** to pager, **audio** message to cellular phone, web page to internet enabled computer or palmtop, movie to television, ON-OFF command to switch of microwave oven, central air-conditioning system of house.

ADVANTAGE - The client can be ultra thin i.e. a low cost device, with minimal computing power and memory capacity as the server has already adapted or modified the application for the client. Since the applications can be modified by the server to fit specific clients, the same content materials can be used for different clients. The development time to adapt **different** applications to new **type** of client can be significantly reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the examples of appliance specific transducers.

pp; 38 DwgNo 4/9

Title Terms: INTERACT; APPLY; MODIFIED; SYSTEM; CLIENT; SERVE; APPLY

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00; G06F-013/38; H04L-012/28

International Patent Class (Additional): **G06F-015/17 ; G06F-017/30**

File Segment: EPI

10/5/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012832567 \*\*Image available\*\*

WPI Acc No: 2000-004399/200001

XRPX Acc No: N00-003845

**Data, e.g. text , audio , video , supply apparatus for printing system used in world wide web system using computer communication network - has forwarding unit that reads image information on quality designated based on printing data demand from printing control apparatus, from memory and forwards read image information to printer**

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11283006	A	19991015	JP 9883112	A	19980330	200001 B

Priority Applications (No Type Date): JP 9883112 A 19980330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11283006	A		17	G06T-001/00	

Abstract (Basic): JP 11283006 A

NOVELTY - A forwarding unit reads image information on a quality designated based on a printing data demand from a printing control apparatus (2), from a memory and forwards the read image information to a printer. Another forwarding unit sends perusal information, which includes the image information stored in the memory, to a data processor (1) based on a perusal data command from the data processor. DETAILED DESCRIPTION - The memory stores identical image information in predetermined data **format** and in **different** image quality. The perusal data and image information are respectively forwarded to the data processor and printing control apparatus through a network (4).

INDEPENDENT CLAIMS are also included for the following: a data processing method; a printing control apparatus; a data processor; and a memory medium used in storing data processing program.

USE - For printing system used in WWW system using computer communication network.

ADVANTAGE - Forwards and distributes data of optimum quality to data processor that performs perusal demand and to printing control apparatus that requires printing data. Enables displaying of acquired information in appropriate quality. Allows printing of optimum perusal information in high-definition quality at the time of perusal display. Ensures easy starting of browser and perusal process of different information. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the printing system to which the data supply apparatus is provided. (1) Data processor; (2) Printing control apparatus; (4) Network.

Dwg.1/9

Title Terms: DATA; **TEXT** ; **AUDIO** ; **VIDEO** ; SUPPLY; APPARATUS; PRINT; SYSTEM; WORLD; WIDE; WEB; SYSTEM; COMPUTER; COMMUNICATE; NETWORK; FORWARDING; UNIT; READ; IMAGE; INFORMATION; QUALITY; DESIGNATED; BASED; PRINT; DATA; DEMAND; PRINT; CONTROL; APPARATUS; MEMORY; FORWARD; READ; IMAGE; INFORMATION; PRINT

Derwent Class: T01

International Patent Class (Main): G06T-001/00

International Patent Class (Additional): G06F-003/12; **G06F-017/24** ; **G06F-017/30**

File Segment: EPI

10/5/25 (Item 25 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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012628494 \*\*Image available\*\*

WPI Acc No: 1999-434598/199937

XRPX Acc No: N99-323927

Text and image synthesizing method in information processor used in video conference system - involves synthesizing text generated by recognizing audio included in input information, with image included in input information, based on information generating place and order

Patent Assignee: CANON KK (CANO )

Inventor: SAITO K

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11175517	A	19990702	JP 97340261	A	19971210	199937 B
US 6349303	B1	20020219	US 98204271	A	19981203	200221

Priority Applications (No Type Date): JP 97340261 A 19971210

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11175517 A 17 G06F-017/22

US 6349303 B1 G06F-017/00

Abstract (Basic): JP 11175517 A

NOVELTY - An input unit inputs different types of information sent from different places. A text generator recognizes audio included in the input information and generates a text. A synthesizing unit synthesizes the generated text and the image included in the input information, based on the generating place and order information. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for information processing method.

USE - For synthesizing text and image in information processor used in video conference system.

ADVANTAGE - Enables to show information generating place and order during video conference by synthesizing the text and image reliably.

Dwg.1/15

Title Terms: **TEXT** ; IMAGE; METHOD; INFORMATION; PROCESSOR; **VIDEO** ; CONFER ; SYSTEM; **TEXT** ; GENERATE; **AUDIO** ; INPUT; INFORMATION; IMAGE; INPUT;

INFORMATION; BASED; INFORMATION; GENERATE; PLACE; ORDER  
Derwent Class: T01; W02  
International Patent Class (Main): G06F-017/00 ; G06F-017/22  
International Patent Class (Additional): G06F-003/16; G06F-017/60 ;  
G06T-013/00; H04N-007/15  
File Segment: EPI

10/5/26 (Item 26 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012329215 \*\*Image available\*\*  
WPI Acc No: 1999-135322/199912  
XRPX Acc No: N99-098855

**Presentation manager framework for supporting presentation help  
information for UI entities**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )  
Inventor: CLARK D; DOBSON A; GOODCHILD S P; SMITH A J; TRAINER R; CLARK D J  
; DOBSON A A

Number of Countries: 006 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2329042	A	19990310	GB 9718582	A	19970903	199912 B
JP 11110098	A	19990423	JP 98209367	A	19980724	199927
CN 1210309	A	19990310	CN 98115556	A	19980630	199929
KR 99029314	A	19990426	KR 9833121	A	19980814	200028
TW 379303	A	20000111	TW 97118453	A	19971208	200046
US 6300950	B1	20011009	US 9854025	A	19980402	200162
GB 2329042	B	20020821	GB 9718582	A	19970903	200263
KR 325041	B	20020417	KR 9833121	A	19980814	200268

Priority Applications (No Type Date): GB 9718582 A 19970903

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2329042	A		25	G06F-003/023	
JP 11110098	A		12	G06F-003/00	
CN 1210309	A			G06F-017/00	
KR 99029314	A			G06F-019/00	
TW 379303	A			G06F-003/00	
US 6300950	B1			G06F-003/00	
GB 2329042	B			G06F-003/023	
KR 325041	B			G06F-019/00	Previous Publ. patent KR 99029314

Abstract (Basic): GB 2329042 A

NOVELTY - The framework includes an object class, for encapsulating interface area definitions and associated help information for UI entities. A presentation interface provides a set of generic help information presentation methods for implementation by a number of presentation components, selectable through a presentation manager, in accordance with a presentation style.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS included for:

(a) a presentation manager for handling presentation of help information for UI entities

(b) a method of help information presentation

(c) a platform-independent presentation manager framework

USE - Support of help information presentation for user interface entities.

ADVANTAGE - The framework supports help information presentation for a platform-independent component programming environment, and supports presentations in a number of **different styles** (such as **text** , **audio** , animating graphics, etc.) using selectable presentation methods.

DESCRIPTION OF DRAWING(S) - The figure shows a representation of the class structure of a presentation manager framework.

pp; 25 DwgNo 2/2

Title Terms: PRESENT; MANAGE; FRAMEWORK; SUPPORT; PRESENT; HELP;  
INFORMATION; UI; ENTITY

Derwent Class: T01  
International Patent Class (Main): G06F-003/00; G06F-003/023; **G06F-017/00**  
; G06F-019/00  
File Segment: EPI

**10/5/27** (Item 27 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012150870 \*\*Image available\*\*  
WPI Acc No: 1998-567782/199848  
XRPX Acc No: N98-441671

**Electronic voting system for blind, illiterate - has controller that allows user to change selected ballot choice and records selected ballot choice**

Patent Assignee: VOTATION LLC (VOTA-N)  
Inventor: WILLARD J P  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5821508	A	19981013	US 959528	A	19951229	199848 B
			US 96772911	A	19961224	

Priority Applications (No Type Date): US 959528 P 19951229; US 96772911 A 19961224

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5821508	A		19	G07C-013/00	Provisional application US 959528

Abstract (Basic): US 5821508 A

The system includes an **audio** player (102) that indicates the information supplied by a ballot **script** (110). The **audio** data corresponding to the information of ballot **script** is passed to the user by a loudspeaker. The selected ballot choice is indicated by the user by a microphone and a manual switch.

The identity of the selected ballot choice is informed through the loudspeaker. A controller allows the user to change the selected ballot choice. The selected ballot choice is recorded by the controller.

ADVANTAGE - Enables entry of ballot choice in non-visual interactive manner. Facilitates passage of printed information in **various types** of languages. Facilitates accurate recording of rotary data.

Dwg.1/10

Title Terms: ELECTRONIC; VOTE; SYSTEM; BLIND; CONTROL; ALLOW; USER; CHANGE; SELECT; BALLOT; CHOICE; RECORD; SELECT; BALLOT; CHOICE

Derwent Class: T01; T05; W04

International Patent Class (Main): G07C-013/00

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

**10/5/28** (Item 28 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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012140052 \*\*Image available\*\*  
WPI Acc No: 1998-556964/199847  
XRPX Acc No: N98-434218

**Database information accessing method using telephone - involves processing selected data according to data processing instructions stored in selected template**

Patent Assignee: US WEST INC (USWU-N)  
Inventor: COX L D; GIBSON M G; KIENKER J L; TRADER T F  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5819250	A	19981006	US 96587124	A	19960109	199847 B

Priority Applications (No Type Date): US 96587124 A 19960109

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
US 5819250	A		9	G06F-017/30			

Abstract (Basic): US 5819250 A

The method involves providing multiple templates comprising data processing instruction, each template corresponding to each media. The data to be accessed is selected. One of the media is selected for accessing the selected data.

One of the template is selected corresponding to the selected media. The selected data is processed according to the data processing instructions of the template. The processed data is output through the selected media.

USE - Television, computer, facsimile, hearing impaired device.

ADVANTAGE - Provides data output in **audio**, **video**, graphic, **text** and other **formats** using **different** media. Enables real time interaction with database. Eliminates storage requirement problems.

Dwg.2/4

Title Terms: DATABASE; INFORMATION; ACCESS; METHOD; TELEPHONE; PROCESS; SELECT; DATA; ACCORD; DATA; PROCESS; INSTRUCTION; STORAGE; SELECT; TEMPLATE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

International Patent Class (Additional): G06F-013/00

File Segment: EPI

10/5/29 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011931007 \*\*Image available\*\*

WPI Acc No: 1998-347917/199830

XRPX Acc No: N98-271607

**SQL statement generating system for accessing relational and non-relational databases - has interface unit to provide uniform relational view of problem that is consistent across different types of storage structure, by which data is manipulated without storage structure restriction**

Patent Assignee: ENTERWORKSCOM INC (ENTE-N)

Inventor: HUFF R; LUNCEFORD P; MYLVAGANAM M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5764973	A	19980609	US 94193532	A	19940208	199830 B
			US 95527432	A	19950913	

Priority Applications (No Type Date): US 94193532 A 19940208; US 95527432 A 19950913

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
US 5764973	A		45	G06F-017/30		Cont of application	US 94193532

Abstract (Basic): US 5764973 A

The system includes a keyboard (5) for choosing condition for collecting predetermined information. A modeling unit creates the entire problem from **different types** of storage structure such as hierarchical, flat file and object oriented database structure, with some relational tables. The modeling unit determines the foreign keys in the relational tables. Then the unnecessary foreign keys and tables containing only foreign keys are removed. A dictionary unit tracks the locations of the information across created problem domain.

A statement generator generates data requests based on selected criteria. An accessing unit receives information independent of storage structure, in response to the data requests. An interface unit provides uniform relational view of problem domain that is consistent across



**different types** of storage structure, by which data is manipulated without storage structure restriction.

ADVANTAGE - Offers consistent interface between system developer and end user. Enables compatibility with existing information system. supports **text** ,numeric, **video** ,sound and graphic data.

Dwg.10/35

Title Terms: SQL; STATEMENT; GENERATE; SYSTEM; ACCESS; RELATED; NON;  
RELATED; INTERFACE; UNIT; UNIFORM; RELATED; VIEW; PROBLEM; CONSISTENT;  
TYPE; STORAGE; STRUCTURE; DATA; MANIPULATE; STORAGE; STRUCTURE; RESTRICT  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

10/5/30 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011790033 \*\*Image available\*\*

WPI Acc No: 1998-206943/199818

XRPX Acc No: N98-164399

**Networked processing for information stored on different media - involves analysing video recording and voice transcription information content and generating text file for content correlation**

Patent Assignee: GOLDEN ENTERPRISES INC (GOLD-N)

Inventor: CONNOR A F; LIAGUNO A S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5729741	A	19980317	US 95419152	A	19950410	199818 B

Priority Applications (No Type Date): US 95419152 A 19950410

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5729741	A		14	G06F-017/30	

Abstract (Basic): US 5729741 A

The information processing method involves processing **different types** of media using a medium information **text** description file and its identification. For each processed medium, the information content is analysed for the presence of **text** , and a second **text** file is generated containing all found **text** in association with the index storage file. The medium used is a recording containing **video** and voice information signals associated with a **video** recorded activity, and a further medium containing a separate transcription of the voice information.

The second step involves processing the voice information signals using an automated voice recognition to **text** conversion mechanism. This generates a voice converted **text** file (501). The transcription file is processed to generate a transcribed voice **text** file (503). Successive words of the **text** and transcribed voice files are correlated (505) to associate their contents. **Video** time line indices are then inserted into the transcribed **text** file (507).

ADVANTAGE - Provides single system for integrating diverse information for storage and playback.

Dwg.5/6

Title Terms: PROCESS; INFORMATION; STORAGE; MEDIUM; ANALYSE; **VIDEO** ;  
RECORD; VOICE; TRANSCRIBING; INFORMATION; CONTENT; GENERATE; **TEXT** ; FILE  
; CONTENT; CORRELATE

Derwent Class: T01; T04; W01; W04

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/31 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011625270    \*\*Image available\*\*

WPI Acc No: 1998-042398/199804

XRPX Acc No: N98-033882

**Multimedia presentation generation method - in which dynamic objects defined by SGML object language are created, such that display presentation is responsive to user's input to system**

Patent Assignee: TALLPINE TECHNOLOGIES INC (TALL-N)

Inventor: SAMPSON J R

Number of Countries: 019    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9746957	A1	19971211	WO 97US9542	A	19970602	199804    B

Priority Applications (No Type Date): US 96659058 A 19960604

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes

WO 9746957    A1    E    38    G06F-017/30

Designated States (National): CA JP

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

Abstract (Basic): WO 9746957 A

The **multimedia** presentation system uses an SGML based **script** language and application to produce **multi-media** presentations for CD-ROM, kiosk and Internet information products. The SGML based **script** language supports two basic object classes; resources which are static objects since they do not process input data or perform any actions, including bit maps, **audio**, movies and areas, and widgets which are objects that can perform actions, process events and respond to user input.

The SGML **script** based language exploits standard SGML syntax and uses tags with a well defined syntax and meaning to describe resource objects and widget objects. The **script** consists of sets of plates, each of which comprises a display screen which contains widget objects. A user interacts with the widget objects located on a plate by pointing the cursor at one of the widget objects located on the display screen produced by the selected plate and/or clicking at the selected point on the display screen.

USE - Combining media objects of **multiple** diverse **types** into integrated **multimedia** presentation.

Dwg.1/15

Title Terms: PRESENT; GENERATE; METHOD; DYNAMIC; OBJECT; DEFINE; OBJECT;  
LANGUAGE; DISPLAY; PRESENT; RESPOND; USER; INPUT; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/32    (Item 32 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011247888    \*\*Image available\*\*

WPI Acc No: 1997-225791/199720

XRPX Acc No: N97-186872

**Information play method for interactive audio and video information - recording music recorded in Red Book format on CD and then re-recorded in Yellow Book format in different area of disc, with interactive program information included in second portion of Yellow Book information**

Patent Assignee: ARDENT TELEPRODUCTIONS INC (ARDE-N)

Inventor: JENKINS K L; SCHOLLES C P

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5619731	A	19970408	US 94311744	A	19940923	199720    B

Priority Applications (No Type Date): US 94311744 A 19940923

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes

Abstract (Basic): US 5619731 A

The method involves reading a first area of a medium including a first program at a rate faster than the reproduction rate required to prevent unintended interruption of the program information. The first program information is output at the reproduction rate while simultaneously storing parts of the first information in a first cache. It is determined when the first cache reaches a predetermined fill level. A desired interactive program is determined and a second reading performed. A second area of the medium including the desired interactive program is read, with reading performed at a rate which faster than the reproduction rate at which the second information is output.

A second cache is simultaneously filled with second information which is output at the reproduction rate while simultaneously storing parts of the second information in a second cache. It is determined when the second cache reaches a second predetermined fill level. The entire operation is repeated. The predetermined first cache fill level allows the first information in the first cache to be played for a time period at least equal to the time of the first and second seeking steps plus the time required to fill the second cache to its predetermined fill level.

USE/ADVANTAGE - E.g. portable CD apparatus. Includes additional information in spare recording area e.g. **video**, still picture to replace liner **notes**. Ensures compatibility with installed base of CD reader.

Dwg.3/5

Title Terms: INFORMATION; PLAY; METHOD; INTERACT; **AUDIO**; **VIDEO**; INFORMATION; RECORD; MUSIC; RECORD; RED; BOOK; FORMAT; CD; RECORD; YELLOW; BOOK; FORMAT; AREA; DISC; INTERACT; PROGRAM; INFORMATION; SECOND; PORTION; YELLOW; BOOK; INFORMATION

Derwent Class: W04

International Patent Class (Main): G06F-015/00

International Patent Class (Additional): G06F-012/06; G11B-017/22

File Segment: EPI

10/5/33 (Item 33 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010692336 \*\*Image available\*\*

WPI Acc No: 1996-189291/199620

XRPX Acc No: N96-158252

**Integrated video - text portable receiver and display unit - contains television tuner, video - text decoder, microcomputer, data storage and display**

Patent Assignee: BURKHARDT M (BURK-I)

Inventor: BURKHARDT M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4435565	A1	19960411	DE 4435565	A	19941005	199620 B

Priority Applications (No Type Date): DE 4435565 A 19941005

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4435565	A1		5	H04N-007/025	

Abstract (Basic): DE 4435565 A

The portable **video text** or Teletext decoder system contains a TV-tuner, **videotext** decoder, a microcomputer, a data storage, a command input device and a display unit. The system functions exclusively as a **video text** receiver, processing and displaying data, and does not function as a TV set. The data storage stores processed and unprocessed data.

The microcomputer supports formatting of the **text** data into

various display formats, communication over data interfaces. The system is particularly appropriate for stock exchange reporting.

ADVANTAGE - Reception of videotext data is achieved by integrated, portable system, rather than by number of non-portable interconnected units.

Dwg.1/2

Title Terms: INTEGRATE; VIDEO; TEXT; PORTABLE; RECEIVE; DISPLAY; UNIT; CONTAIN; TELEVISION; TUNE; VIDEO; TEXT; DECODE; MICROCOMPUTER; DATA; STORAGE; DISPLAY

Derwent Class: T01; W02; W03

International Patent Class (Main): H04N-007/025

International Patent Class (Additional): G06F-017/60; H04N-007/087

File Segment: EPI

10/5/34 (Item 34 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009866087 \*\*Image available\*\*

WPI Acc No: 1994-145960/199418

Related WPI Acc No: 1999-108794

XRPX Acc No: N94-115008

**Billing and collecting information service fees system for satellite radio communications - accumulates utilisation status and summing information fees based on conversion data provided by main system, each information service fee is fed back to main system functioning as host station**

Patent Assignee: RICOS CO LTD (RICO-N); RICOS KK (RICO-N); SOFIKKU KK (SOFI-N); TSUYOKA KK (TSUY-N)

Inventor: TSUMURA M

Number of Countries: 013 Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 595354	A1	19940504	EP 93117605	A	19931029	199418 B
AU 9350382	A	19940512	AU 9350382	A	19931029	199425
JP 6152550	A	19940531	JP 92322615	A	19921106	199426
JP 6164524	A	19940610	JP 92315938	A	19921030	199428
JP 6169293	A	19940614	JP 92341671	A	19921127	199428
CA 2109490	A	19940501	CA 2109490	A	19931028	199429
JP 7023134	A	19950124	JP 9382561	A	19930316	199513
JP 7030504	A	19950131	JP 9320611	A	19930112	199514
JP 7050643	A	19950221	JP 93215290	A	19930806	199517
AU 662251	B	19950824	AU 9350382	A	19931029	199542
CN 1095535	A	19941123	CN 93120304	A	19931127	199546
TW 263633	A	19951121	TW 93109030	A	19931028	199607
EP 595354	B1	19990421	EP 93117605	A	19931029	199920
			EP 98119317	A	19931029	
DE 69324543	E	19990527	DE 624543	A	19931029	199927
			EP 93117605	A	19931029	
KR 310025	B	20011215	KR 9323018	A	19931030	200249

Priority Applications (No Type Date): JP 93215290 A 19930806; JP 92315938 A 19921030; JP 92322615 A 19921106; JP 92341671 A 19921127; JP 9320611 A 19930112; JP 9382561 A 19930316

Cited Patents: EP 128555; EP 180460; EP 489385; US 4751732; US 4807286; WO 8500718; WO 8909528; WO 9106160

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 595354	A1	E	24	H04N-007/16	
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Designated States (Regional): DE ES FR GB IT NL SE

AU 9350382	A			G06F-015/22	
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JP 6152550	A		2	H04H-001/02	
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JP 6164524	A		6	H04H-001/00	
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JP 6169293	A		6	H04H-001/00	
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CA 2109490	A			H04B-007/24	
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JP 7023134	A		4	H04M-011/08	
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JP 7030504	A		4	H04H-001/00	
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JP 7050643 A 5 H04H-001/00  
 AU 662251 B G06F-015/22 Previous Publ. patent AU 9350382  
 CN 1095535 A H04M-001/00  
 TW 263633 A H04B-007/00  
 EP 595354 B1 E H04N-007/16 Related to application EP 98119317  
 Related to patent EP 895419  
 Designated States (Regional): DE ES FR GB IT NL SE  
 DE 69324543 E H04N-007/16 Based on patent EP 595354  
 KR 310025 B H04L-009/32 Previous Publ. patent KR 94010574

Abstract (Basic): EP 595354 A

The system has a host computer (6) with a database (7) storing **various types** of data and a transmitter (8). **Various types** of data is received (3) transmitted through radio communications, dispersing **various types** of data with an identification code corresp. to each type.

The receiver has signal processing circuits (14a...) for processing **various types** of data, with the code stored sequentially in memory. Conversion data containing a data table for service fee by unit of identification code is sent at regular or irregular intervals to update the receiver. Information service fee is calculated by correlating the codes with the conversion data.

ADVANTAGE - Provides efficient billing system of service rate on individual-piece-of-information basis or on unit-of-information basis in variety of information service ranging from music to **video** to **text** including news using radio communications.

Dwg.1/12

Title Terms: BILL; COLLECT; INFORMATION; SERVICE; FEE; SYSTEM; SATELLITE; RADIO; COMMUNICATE; ACCUMULATE; UTILISE; STATUS; SUM; INFORMATION; FEE; BASED; CONVERT; DATA; MAIN; SYSTEM; INFORMATION; SERVICE; FEE; FEED; BACK ; MAIN; SYSTEM; FUNCTION; HOST; STATION

Derwent Class: W01; W02; W04

International Patent Class (Main): G06F-015/22 ; H04B-007/00; H04B-007/24; H04H-001/00; H04H-001/02; H04L-009/32; H04M-001/00; H04M-011/08; H04N-007/16

International Patent Class (Additional): G06F-001/00; G07C-007/00; H04B-007/14; H04B-007/15; H04B-007/204; H04H-009/00; H04K-001/00; H04M-011/00; H04M-011/06; H04M-015/00; H04N-007/173; H04Q-007/04

File Segment: EPI

10/5/35 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009805832 \*\*Image available\*\*

WPI Acc No: 1994-085687/199411

XRPX Acc No: N94-067072

Multi - media **information presentation in tree structure using expert system - using multi - media information devices for providing corresp. display for user of system**

Patent Assignee: FORD MOTOR CO CANADA (FORD ); FORD WERKE AG (FORD );

FORD MOTOR CO LTD (FORD ); FORD MOTOR CO (FORD )

Inventor: HIGASHIDE H; RANKIN J S; SPOTO T A

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2271005	A	19940330	GB 9318554	A	19930907	199411 B
DE 4332193	A1	19940331	DE 4332193	A	19930922	199414
CA 2100510	A	19940329	CA 2100510	A	19930923	199424
US 5539869	A	19960723	US 92953034	A	19920928	199635

Priority Applications (No Type Date): US 92953034 A 19920928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2271005	A		34	G06F-015/40	
DE 4332193	A1		23	G06F-003/00	
US 5539869	A		18	G06T-001/00	

Abstract (Basic): GB 2271005 A

The system uses **multimedia** information tools (i.e. graphics, documentation, drawing, photographs, full motion **video** with **audio**, PLC ladder etc.) and techniques to assist maintenance personnel. Diagnosing development and **multimedia** information assignment are accomplished through graphical visual programming, which requires no conventional software programming.

The system uses diagnosing trees having **multimedia** graphic icons which define the diagnosing components. In developing a visual diagnostic tree, the **multimedia** information can be assigned or mapped to each node of the tree by selecting and appropriate icon to represent the **multimedia** from icon library, Then an appropriate media information file of records and **comments** for that icon are added. The system uses conventional hardware and can be used on the plant floor.

USE/ADVANTAGE - For on-line processing and presenting of **multimedia** information. Provision for relatively simple and flexible method for presenting diagnose information for machine tool with exclusion losses and re-engineering of data during later procedures.

Dwg.8/21

Title Terms: MULTI; MEDIUM; INFORMATION; PRESENT; TREE; STRUCTURE; EXPERT; SYSTEM; MULTI; MEDIUM; INFORMATION; DEVICE; CORRESPOND; DISPLAY; USER; SYSTEM

Derwent Class: T01

International Patent Class (Main): C07C-309/31; G06F-003/00; **G06F-015/40**; G06T-001/00

International Patent Class (Additional): B21C-051/00; B23Q-011/00; C07C-039/235; C07C-065/10; G06F-003/14

File Segment: EPI

10/5/36 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009452459 \*\*Image available\*\*

WPI Acc No: 1993-145984/199318

XRPX Acc No: N93-111564

**Method of organising maintenance data in electronic manuals - using hyper-structure with subject, action, object addressing of locations that point to information in various formats**

Patent Assignee: ALLIED-SIGNAL INC (ALLC )

Inventor: CONWAY C V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2680896	A1	19930305	FR 929102	A	19920723	199318 B

Priority Applications (No Type Date): US 91751454 A 19910828

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2680896	A1	47	G06F-015/40	

Abstract (Basic): FR 2680896 A

The method is for organising data in an electronic maintenance manual having locations addressed by a semantic identifier, with at least one of the locations containing a pointer. Data is stored in a hyper-structure comprising nodes and links, and the pointer is directed at one of the nodes.

The semantic identifier is formed from a subject field, an action field and an object field. The data is stored in such a way that it can be easily accessed by each of these fields. The addressed nodes contain pointers to **textual**, graphical, **audio**-visual or other types of information.

USE/ADVANTAGE - Improves rate and quality of maintenance of complex equipment such as aircraft or weapons by making maintenance data both compact and easily accessed.

Dwg.2/17

Title Terms: METHOD; ORGANISE; MAINTAIN; DATA; ELECTRONIC; MANUAL; HYPER;  
STRUCTURE; SUBJECT; ACTION; OBJECT; ADDRESS; LOCATE; POINT; INFORMATION;  
VARIOUS; FORMAT

Index Terms/Additional Words: METHOD; ORGANISE

Derwent Class: T01; T05; W06; W07

International Patent Class (Main): G06F-015/40

File Segment: EPI

10/5/37 (Item 37 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007646560

WPI Acc No: 1988-280492/198840

XRPX Acc No: N88-212919

**Electronic terminal for bank data processing - includes controller for  
video text terminal to allow interrogation of memories containing  
confidential codes**

Patent Assignee: MAN CAISSE REG CRED (CAIS-N)

Inventor: GIBON S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2611061	A	19880819	FR 872018	A	19870217	198840 B

Priority Applications (No Type Date): FR 872018 A 19870217; FR 872018 A  
19870217

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2611061	A	13		

Abstract (Basic): FR 2611061 A

An electronic terminal for banking operations is built around a teletext terminal and is connected to **various** peripheral units. The **type** of units depends on the use and may include a card reader and cheque reader as well as a ticket printer. An encrypter allows data to be encrypted for security of on-line transmission. An interface unit contains a matching circuit to match the terminal input and output signals to other peripheral units. A controller ensures correct selection of peripheral units for exchange of data.

The terminal is connected to a communication network allowing connection to a **video text** controller which allows interrogation of memories. The latter allows various banking operations to be effected using confidential codes.

ADVANTAGE - Automatic operation

Title Terms: ELECTRONIC; TERMINAL; BANK; DATA; PROCESS; CONTROL; **VIDEO ;  
TEXT ;** TERMINAL; ALLOW; INTERROGATION; MEMORY; CONTAIN; CONFIDE; CODE

Derwent Class: T01; T05

International Patent Class (Additional): G06F-013/00; G06F-015/30

File Segment: EPI

10/5/38 (Item 38 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004603377

WPI Acc No: 1986-106721/198616

XRPX Acc No: N86-078468

**Microprocessor controlled microfiche display appts. - enables images to  
be called up in sequential or random made or preselected order recorded  
on tape**

Patent Assignee: Q & L CORP INC (QLQL-N); COLOFICHE CORP (COLO-N)

Inventor: AUBUT C; FRANKEL H; SAUVE-FRANKEL G; SAUVEFRANK G

Number of Countries: 013 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8602174	A	19860410				198616 B
AU 8549687	A	19860417				198628
EP 204717	A	19861217	EP 85905248	A	19850925	198651
JP 62500806	W	19870402	JP 85504768	A	19850925	198719
CN 8507276	A	19860903				198720
US 4805087	A	19890214	US 84655591	A	19840928	198909
CA 1305881	C	19920804	CA 490940	A	19850917	199237

Priority Applications (No Type Date): US 84655591 A 19840928

Cited Patents: 1.Jnl.Ref; No-Citns.; SSR870506; US 3809468; US 3885867; US 4033684; US 4174891; US 4254329

#### Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8602174 A E 108

Designated States (National): AU JP KR

Designated States (Regional): CH DE FR GB IT NL

EP 204717 A E

Designated States (Regional): CH DE FR GB IT LI NL

CA 1305881 C G03B-023/08

Abstract (Basic): WO 8602174 A

The appts. includes an optical system mounted on a frame and having a focal point for displaying microfiche images located at the focal point. A positioning device is mounted on the frame for receiving a microfiche and for locating a selected one of a plurality of images on the microfiche at the focal point.

A microprocessor is provided for selecting such image and controlling the positioning device to locate such selected image at the focal point. The viewer may call up selected microfiche images in either a sequential mode or a random mode.

ADVANTAGE - Can accommodate **many formats** of microfiche in colour or black and white, and can precisely position each of desired selection of images automatically through manual, recorded or computer-generated ones. (108pp Dwg.No.24/33)

Title Terms: MICROPROCESSOR; CONTROL; MICROFICHE; DISPLAY; APPARATUS; ENABLE; IMAGE; CALL; UP; SEQUENCE; RANDOM; MADE; PRESELECTED; ORDER; RECORD; TAPE

Derwent Class: P82; P85; S06; T01

International Patent Class (Main): G03B-023/08

International Patent Class (Additional): G03B-021/11; G03B-027/47;

G05D-003/20; **G06F-015/62** ; **G06F-015/64** ; G06K-007/10; G09F-009/00

File Segment: EPI; EngPI

10/5/39 (Item 39 from file: 347)

DIALOG(R) File 347:JAPIO

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06192816 \*\*Image available\*\*

SEARCH FOR DOCUMENT HAVING MULTI-ELEMENT TYPE

PUB. NO.: 11-134367 [JP 11134367 A]

PUBLISHED: May 21, 1999 (19990521)

INVENTOR(s): EDELMAN BRADLEY A

KRAUS WILLIAM

APPLICANT(s): ADOBE SYST INC

APPL. NO.: 10-222947 [JP 98222947]

FILED: August 06, 1998 (19980806)

PRIORITY: 906811 [US 906811], US (United States of America), August 06, 1997 (19970806)

INTL CLASS: **G06F-017/30**

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a device and a method for searching a document having **various types** of nesting elements.

SOLUTION: An element which can include one or more **different types** of



nesting **type** elements is found by this device in a document. Moreover, the found element can be substituted by the device for a displacement element which can include one or more **different types** of nesting **type** elements. The type of the element includes a **text**, a picture, an **animation** and a sound clip. A matching function and a find function are provided to each element. The matching function related to one element judges whether or not a target element is made coincident with itself based on a prescribed search reference. The find function related to one element searches the coincidence of the target element in itself. The final function of one element can make a find function related to an element buried in itself sense at the time of executing the search related to the target element.

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10/5/40 (Item 40 from file: 347)  
DIALOG(R) File 347:JAPIO  
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05710996 \*\*Image available\*\*  
DOCUMENT READING ALOUD DEVICE

PUB. NO.: 09-325796 [JP 9325796 A]  
PUBLISHED: December 16, 1997 (19971216)  
INVENTOR(s): YOSHIDA TETSUO  
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-143990 [JP 96143990]  
FILED: June 06, 1996 (19960606)  
INTL CLASS: [6] G10L-005/02; G06F-003/16; **G06F-017/21** ; G10L-003/00; H04S-007/00  
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment); 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers); R108 (INFORMATION PROCESSING -- Speech Recognition & Synthesis)

#### ABSTRACT

PROBLEM TO BE SOLVED: To accurately and surely understand an original **text** by voices and to efficiently hear the **text** .

SOLUTION: The device obtains an **audio** output from the **text** data of the inputted original **text** by a voice synthesis means. **Commentary** sentences are added to the character columns in the **text** which is not understandable by voices and **different** voice **types** and **different** sound image localization are used for the original **text** and the **commentary** sentences. Moreover, the device is provided with rehearing control means 401 and 402 which selectively rehear the contents that are heard once and a skip means 401 which selectively skips the contents of the reading for every constant unit so that the portion, which is not heard, is reheard and the portion, which is not needed, is eliminated. Furthermore, the voice type or the sound image localization is varied corresponding to the change in the document arrangement of the original **text** such as a surrounded article. Thus, the relative position of the article within the original **text** of the document being read is recognized and accurately understood.

10/5/41 (Item 41 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04800726 \*\*Image available\*\*  
PROCESSOR AND METHOD FOR **MULTIMEDIA** PROCESSING

PUB. NO.: 07-093326 [JP 7093326 A]

PUBLISHED: April 07, 1993 (19950407)  
INVENTOR(s): HARA MASAO  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-234621 [JP 93234621]  
FILED: September 21, 1993 (19930921)  
INTL CLASS: [6] G06F-017/27 ; G06F-017/24  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JAPIO KEYWORD: R004 (PLASMA); R131 (INFORMATION PROCESSING -- Microcomputers  
& Microprocessors); R139 (INFORMATION PROCESSING -- Word  
Processors)

#### ABSTRACT

PURPOSE: To automatically generate a link structure for respective objects of **multimedia** by extracting a document structure from a **text** document and generating a card type stack.

CONSTITUTION: Document structure data consisting of index parts 8 of titles, chapters, paragraphs, clauses, etc., and their contents parts 9 are extracted by taking an original analysis of a plane writing document and expanded into a hierarchical document structure. Then the plane writing document which is expanded into this document structure is converted into the card **type** stack consisting of **plural** card. For example, an index 'How to use word processor' 8a and its contents part 9a are assigned to a card 11. Further, links 11a-11c are set among cards 11-14 corresponding to '1. Input of character' 8b, '2. Edit' 8c, and '3. Print' 8f in the layer right below it. Indexes '1. Input of character' 8b, '2. Edit' 8c, and '3. Print' 8f are assigned as link buttons 11d-11f.

10/5/42 (Item 42 from file: 347)  
DIALOG(R) File 347:JAPIO  
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02687465 \*\*Image available\*\*

**TEXT** DATA EDITING/OUTPUT SYSTEM FOR **MULTI - MEDIA** EDITING/ OUTPUT  
DEVICE

PUB. NO.: 63-304365 [JP 63304365 A]  
PUBLISHED: December 12, 1988 (19881212)  
INVENTOR(s): TANAKA TAKEO  
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 62-140325 [JP 87140325]  
FILED: June 04, 1987 (19870604)  
INTL CLASS: [4] G06F-015/20 ; G06F-003/153  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.3  
(INFORMATION PROCESSING -- Input Output Units)  
JOURNAL: Section: P, Section No. 852, Vol. 13, No. 138, Pg. 51, April  
06, 1989 (19890406)

#### ABSTRACT

PURPOSE: To improve both the versatility and the flexibility of the titled system by simulating expression attribute information set for each layout block by using a display function of a graphic **text** .

CONSTITUTION: Data read out of a graphic data file 11 storing **various types** of data, an image data file 12 and a **text** data file 13 are edited and outputted by a **multi - media** editing/output program 15 based on a layout information file 14 storing the expression attribute information including FCB information set for editing ad output of the **text** data. The program 15 includes a function which simulates the expression attribute information set for each layout block by means of the display function of the graphic **text** . Then the program 15 is carried out by a CPU of a **multi - media** editing/output device main body. The output data is stored in a temporary print file 16 and outputted to a printer 18. Thus the flexibility and the versatility can be extremely improved for a data editing/output system.

19/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014804354 \*\*Image available\*\*  
WPI Acc No: 2002-625060/200267

**System for video conference and seminar**  
Patent Assignee: IPTELECOM CORP (IPTE-N)  
Inventor: BYUN Y Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002025555	A	20020404	KR 200057463	A	20000929	200267 B

Priority Applications (No Type Date): KR 200057463 A 20000929

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002025555	A		1	G06F-015/16	

Abstract (Basic): KR 2002025555 A

NOVELTY - A system for **video** conference and seminar is provided to share **multimedia** data freely while a **video** conference is progressed smoothly by a **video** conference master or a leader.

DETAILED DESCRIPTION - A web server(2) controls an input/output signal for a **video** conference. A database server(4) has a **video** conference user database and performs a user certification in accordance with a control signal of the web server(2). A **video** conference managing server(6) manages a **video** conference operator and participators and controls a **video** server and a voice server when a data sharing **video** conference is progressed. A **video** conference server(8) controls an opening of a **video** conference and input/outputs signals of the **video** conference operator and participators while a **video** conference is executed. A voice server(10) controls a voice exchange while a **video** conference is executed. Data as **text** /graphic files are **shared** between participators of a **video** conference, and a white board for inputting a character and **text** is **shared** in real time. In addition, voices of participators are shared.

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; **VIDEO** ; CONFER

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

19/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014795135 \*\*Image available\*\*  
WPI Acc No: 2002-615841/200266

**System for retrieving shopping products and exchanging shopping information through web screen sharing**

Patent Assignee: KIM B H (KIMB-I)

Inventor: KIM B H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002023695	A	20020329	KR 200177149	A	20011206	200266 B

Priority Applications (No Type Date): KR 200177149 A 20011206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002023695	A		1	G06F-017/60	

Abstract (Basic): KR 2002023695 A

NOVELTY - A system for retrieving shopping products and exchanging shopping information through Web screen sharing is provided to make different people from different places retrieve shopping products and

exchange shopping information at the same time via **video** chatting and **text** chatting, as **sharing** a Web browser screen of an electronic commerce shopping mall, so as to retrieve optimum shopping products.

DETAILED DESCRIPTION - A shopping host(3) logs in(7) a shared shopping server(5) to obtain authentication from the shared shopping server(5), and opens a connection room(9). If a shopping participant(4) logs in(8) the shared shopping server(5) over the Internet to obtain authentication, the shopping host(3) receives information on the connection room(9) from the shared shopping server(5) to attempt a connection room access(10). If the connection room(9) is opened between the shopping host(3) and the shopping participant(4) and if the connection room access(10) is completed, the shared shopping server(5) forms a connection session(6) with the shopping participant(4) and the shopping host(3).

pp; 1 DwgNo 1/10

Title Terms: SYSTEM; RETRIEVAL; SHOPPING; PRODUCT; EXCHANGE; SHOPPING; INFORMATION; THROUGH; WEB; SCREEN; SHARE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

19/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014708077 \*\*Image available\*\*

WPI Acc No: 2002-528781/200256

XRPX Acc No: N02-418737

**Information delivering method for computer networks, involves processing information received from user terminals by service program in format suitable for network containing user terminal**

Patent Assignee: PORTALIFY OY (PORT-N)

Inventor: ARONSSON H; KIVINEN T; SAETERI S

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200252804	A1	20020704	WO 2001FI6	A	20010104	200256 B
FI 200002855	A	20020628	FI 20002855	A	20001227	200263

Priority Applications (No Type Date): FI 20002855 A 20001227

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200252804 A1 E 33 H04L-012/66

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

FI 200002855 A H04L-029/06

Abstract (Basic): WO 200252804 A1

NOVELTY - Information received from user terminal in network (N1-N3) are processed according to the content. The fetched information is processed by an information processing module (C) using a service program in which parameters are fed and list of commands for processing desired **multimedia** data are obtained such that the reply is in a suitable delivery format for the network containing the user terminal.

USE - For information delivery system connected to a computer networks such as local area network, wide area network and inter networked wide area network, GSM cellular telephone network, SMS network, etc.

ADVANTAGE - Different kinds of information such as **text**, images, sound and other media can be converted to suit the terminal device and delivery can be made in **different formats** according to the user terminal. Can **combine** several compression methods to attain best alternative format based on the terminal. Allows the message to be

shortened while sending.

DESCRIPTION OF DRAWING(S) - The figure shows a general architectural view of an information delivery system in which the information delivery method is implemented.

Information processing module (C)

Networks (N1-N3)

pp; 33 DwgNo 1/5

Title Terms: INFORMATION; DELIVER; METHOD; COMPUTER; NETWORK; PROCESS; INFORMATION; RECEIVE; USER; TERMINAL; SERVICE; PROGRAM; FORMAT; SUIT; NETWORK; CONTAIN; USER; TERMINAL

Derwent Class: T01; V07; W01

International Patent Class (Main): H04L-012/66; H04L-029/06

International Patent Class (Additional): G06F-017/30

File Segment: EPI

19/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012756113 \*\*Image available\*\*

WPI Acc No: 1999-562230/199947

XRPX Acc No: N99-415365

Updated document distribution method used in computer networks used in electronic commerce etc.,

Patent Assignee: INFOLIBRIA INC (INFO-N)

Inventor: HEDDAYA A A; MIRDAD S A; YATES D J; YATES I C

Number of Countries: 086 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9948003	A2	19990923	WO 99US4738	A	19990303	199947 B
ZA 9902138	A	19991229	ZA 992138	A	19990317	200006
AU 9928937	A	19991011	AU 9928937	A	19990303	200008
EP 1076978	A2	20010221	EP 99909815	A	19990303	200111
			WO 99US4738	A	19990303	
US 6205481	B1	20010320	US 9840520	A	19980317	200118

Priority Applications (No Type Date): US 9840520 A 19980317

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9948003 A2 E 53 G06F-012/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

ZA 9902138 A 53 H04L-000/00

AU 9928937 A G06F-012/00 Based on patent WO 9948003

EP 1076978 A2 E H04L-029/08 Based on patent WO 9948003

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

US 6205481 B1 G06F-015/173

Abstract (Basic): WO 9948003 A2

NOVELTY - The request output by a client is received by cache servers (16) which are distributed between home server (20- 1) and clients (12-1 - 12-4). The server (16) outputs local cache copy corresponding to the output request. The cache copy stored by neighboring cache server, is stored and updated after determining identity of neighboring cache server.

USE - For distributing updated documents between clients connected through computer networks like internet, private intranet, extranet, virtual private networks. Utilized in retrieval of information, communication, electronic commerce, entertainment and other applications and for sharing text, table, graphic images, sounds, motion pictures, animations, computer program code and other types of digitized information.

ADVANTAGE - Upon sending a message to neighboring cache server, a request is made to return the requested document copy, if more recent copy contained in neighboring, cache, which preferably cooperate to ensure documents list remain updated, so that rate of queries submitted to home servers is reduced. Avoids need for clients to look up the locations of cache copies either by directly contacting the home server or naming service such as domain name service or by probing the network.

DESCRIPTION OF DRAWING(S) - The figure shows the typical computer network showing request path for a single document and location of cache servers.

Clients (12-1 - 12-4)

Servers (16,20-1)

pp; 53 DwgNo 1/11

Title Terms: UPDATE; DOCUMENT; DISTRIBUTE; METHOD; COMPUTER; NETWORK; ELECTRONIC

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-015/173 ; H04L-000/00 ; H04L-029/08

International Patent Class (Additional): G06F-015/167 ; G06F-017/30 ; H04L-029/06

File Segment: EPI

19/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003983461

WPI Acc No: 1984-129005/198421

XRPX Acc No: N84-095465

**Dot memory graphics terminal - has image texture writing by local modification of values written into image memory**

Patent Assignee: TELEDIFFUSION DE FRANCE (TELG ); VIGARIE J P (VIGA-I)

Inventor: VIGARIE J P

Number of Countries: 012 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 108674	A	19840516	EP 83402066	A	19831024	198421 B
FR 2535871	A	19840511				198424
BR 8306053	A	19840612				198431
US 4543645	A	19850924	US 83547778	A	19831101	198541
EP 108674	B	19870603				198722
CA 1222840	A	19870609				198727
DE 3371949	G	19870709				198728

Priority Applications (No Type Date): FR 8218492 A 19821104

Cited Patents: FR 2466061; US 3999308; US 4225861

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 108674	A	F	80		
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Designated States (Regional): BE CH DE GB IT LI NL SE

EP 108674	B	F			
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Designated States (Regional): BE CH DE GB IT LI NL SE

Abstract (Basic): EP 108674 A

The terminal includes a system (30) for writing texture signals into image memory (14). The system (30) is preceded by a microprocessor (10), a sequencer (20) and a graphics display processor (22), and permits writing into the image memory (14) at a rate which is compatible with the use of specialised circuits.

Delayed address signals (SAd), control signals (SC) and validation signals (DIN sub 2 bar ... DIN sub N bar) are delivered to N different memory planes so that the written value can be modified within certain regions of the image to obtain particular textures. The validation signals define the word (V) to be written, which depends on the selected repetitive pattern of image memory dots in rows and columns. An alternative 'normal' mode may be selected where the written value is

constant, programmable and independent of the position of the dots.  
3/25

Title Terms: DOT; MEMORY; GRAPHIC; TERMINAL; IMAGE; **TEXTURE** ; WRITING;  
LOCAL; MODIFIED; VALUE; WRITING; IMAGE; MEMORY  
Derwent Class: P85; T01; T04  
International Patent Class (Additional): G06F-003/14; **G06F-015/20** ;  
G09G-001/00  
File Segment: EPI; EngPI

19/5/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07334452 \*\*Image available\*\*  
**MULTIMEDIA** ELECTRONIC LEARNING SYSTEM AND LEARNING METHOD

PUB. NO.: 2002-202941 [JP 2002202941 A]  
PUBLISHED: July 19, 2002 (20020719)  
INVENTOR(s): BAE JUNG-HOON  
APPLICANT(s): 4C SOFT INC  
APPL. NO.: 2001-254613 [JP 20011254613]  
FILED: August 24, 2001 (20010824)  
PRIORITY: 00 200049668 [KR 200049668], KR (Korea) Republic of, August  
25, 2000 (20000825)  
01 200142980 [KR 200142980], KR (Korea) Republic of, July 12,  
2001 (20010712)  
01 200149016 [KR 200149016], KR (Korea) Republic of, August  
14, 2001 (20010814)  
INTL CLASS: G06F-013/00; **G06F-017/60** ; G06F-019/00; G09B-005/14;  
G10L-013/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a **multimedia** electronic learning system and learning method allowing user to download a lecture file online by use of PC and to attend to a lecture at real time, or to prepare and regenerate a lecture plan offline.

SOLUTION: This **multimedia** electronic learning system has a function capable of exchanging **multimedia** information in two-way in real time and storing the contents of a lecture or presentation advancing in real time as a file to edit and correct it by simultaneously connecting a lecture to a plurality of students online. This system further has functions of imparting a voice for question and response, chat using voice and **text** , screen **sharing** or the like during the progress of the lecture, and an event can be properly generated in the regeneration of contents by setting the generation and end times or keeping time of all events applied to the contents.

Set	Items	Description
S1	521	(VIDEO OR MULTIMEDIA) () ANNOTATION
S2	221	S1 NOT PY>1998
S3	116	RD (unique items)
S4	115	S3 NOT PD=19980915:20000915
S5	115	S4 NOT PD=20000915:20010915
S6	115	S5 NOT PD=20010915:20020915
S7	920577	(MULTIPLE OR MULTIPLICITY OR PLURALITY OR MANY OR SEVERAL - OR VARIOUS) (3N) (TYPE? OR FORMAT? OR RATE? OR SPEED? OR VERSION?)
S8	3	S6 AND S7
File 810:		Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
File 813:		PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File 674:		Computer News Fulltext 1989-2002/Dec W2 (c) 2002 IDG Communications
File 635:		Business Dateline(R) 1985-2002/Dec 11 (c) 2002 ProQuest Info&Learning
File 608:		KR/T Bus.News. 1992-2002/Dec 12 (c) 2002 Knight Ridder/Tribune Bus News
File 570:		Gale Group MARS(R) 1984-2002/Dec 12 (c) 2002 The Gale Group
File 440:		Current Contents Search(R) 1990-2002/Dec 12 (c) 2002 Inst for Sci Info
File 436:		Humanities Abs Full Text 1984-2002/Oct (c) 2002 The HW Wilson Co
File 275:		Gale Group Computer DB(TM) 1983-2002/Dec 12 (c) 2002 The Gale Group
File 233:		Internet & Personal Comp. Abs. 1981-2002/Dec (c) 2002 Info. Today Inc.
File 211:		Gale Group Newsearch(TM) 2002/Dec 11 (c) 2002 The Gale Group
File 202:		Information Science Abs. 1966-2002/Oct 29 (c) Information Today, Inc
File 194:		FBODaily 1982/Dec-2002/Aug (c) format only 2002 The Dialog Corp.
File 155:		MEDLINE(R) 1966-2002/Nov W3
File 172:		EMBASE Alert 2002/Dec W2 (c) 2002 Elsevier Science B.V.
File 149:		TGG Health&Wellness DB(SM) 1976-2002/Nov W4 (c) 2002 The Gale Group
File 148:		Gale Group Trade & Industry DB 1976-2002/Dec 11 (c) 2002 The Gale Group
File 144:		Pascal 1973-2002/Dec W2 (c) 2002 INIST/CNRS
File 99:		Wilson Appl. Sci & Tech Abs 1983-2002/Oct (c) 2002 The HW Wilson Co.
File 95:		TEME-Technology & Management 1989-2002/Dec W1 (c) 2002 FIZ TECHNIK
File 94:		JICST-EPlus 1985-2002/Oct W1 (c) 2002 Japan Science and Tech Corp(JST)
File 88:		Gale Group Business A.R.T.S. 1976-2002/Dec 06 (c) 2002 The Gale Group
File 65:		Inside Conferences 1993-2002/Dec W2 (c) 2002 BLDSC all rts. reserv.
File 47:		Gale Group Magazine DB(TM) 1959-2002/Dec 09 (c) 2002 The Gale group
File 35:		Dissertation Abs Online 1861-2002/Nov (c) 2002 ProQuest Info&Learning
File 34:		SciSearch(R) Cited Ref Sci 1990-2002/Dec W3 (c) 2002 Inst for Sci Info
File 20:		Dialog Global Reporter 1997-2002/Dec 12 (c) 2002 The Dialog Corp.
File 16:		Gale Group PROMT(R) 1990-2002/Dec 12 (c) 2002 The Gale Group
File 15:		ABI/Inform(R) 1971-2002/Dec 11 (c) 2002 ProQuest Info&Learning



File 11:PsycINFO(R) 1887-2002/Nov W3  
    (c) 2002 Amer. Psychological Assn.  
File 8:Ei Compendex(R) 1970-2002/Dec W1  
    (c) 2002 Elsevier Eng. Info. Inc.  
File 7:Social SciSearch(R) 1972-2002/Dec W3  
    (c) 2002 Inst for Sci Info  
File 6:NTIS 1964-2002/Dec W2  
    (c) 2002 NTIS, Intl Cpyrght All Rights Res  
File 2:INSPEC 1969-2002/Dec W2  
    (c) 2002 Institution of Electrical Engineers  
File 1:ERIC 1966-2002/Nov 11  
    (c) format only 2002 The Dialog Corporation

8/5,K/1 (Item 1 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

01356180 SUPPLIER NUMBER: 08382176 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The electronic office: who will have one, how it will work, where you will  
fit in. (software designed to integrate and automate office  
tasks) (includes related articles on definition of 'electronic office,'  
specific products, information systems job titles)**  
Lockwood, Russ  
Personal Computing, v14, n5, p74(7)  
May 25, 1990  
ISSN: 0192-5490 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2810 LINE COUNT: 00229

ABSTRACT: IBM, HP, AT&T, and others offer a new breed of 'office integration' software products that allow a user's microcomputer to provide almost everything needed for accomplishing daily tasks. Desktop machines will have connections that give quick access to time-critical data, regardless of format or location; analytical tools for transforming raw data into useful information; and enterprise-wide communications links. IBM's OfficeVision, HP's NewWave Office, and AT&T's Rhapsody application suites all address the trends toward decentralized management, vast data volumes and the rapid spread of technology. All the platforms are expensive, and implementing office integration will demand more MIS control and less autonomy of individual departments. The benefits of office integration will be the automation of entire procedures and simplification of data processing. 'Work flow' automation, or automatic project management, will let managers place items, such as requests for information and specifications for deadlines to be met, directly on users' screens. Completed tasks are immediately sent to other users' machines for further processing, and unmet deadlines trigger e-mail alarms. LAN managers will be as important as the company information systems department in implementing work-flow automation. IBM, HP and AT&T address security by giving the creator of any file control over its release and allowing protection with several levels of passwords.

DESCRIPTORS: Office Automation; GUI; Software Design; Future of Computing  
; Trends; Integrated Office Systems; Work Group Computing  
FILE SEGMENT: CD File 275

... system. As the decade rolls along, HP and AT&T plan to add voice and **video annotation** to the objects, which could make it unnecessary to have a physical meeting at all...look at the data. Permissions are set up by the LAN administrator and come in **several** different **types** : none, read only, look and comment, and look and change.  
Integrated office platforms aim to...

8/5,K/2 (Item 1 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00794163 94-43555  
\*\*USE FORMAT 9 FOR FULL TEXT\*\*

**Brave new documents**

Seiter, Charles  
Macworld v11n1 PP: 102-107 Jan 1994 ISSN: 0741-8647 JRNL CODE: MAW  
DOC TYPE: Journal article LANGUAGE: English LENGTH: 6 Pages  
SPECIAL FEATURE: Charts Diagrams  
WORD COUNT: 2870

ABSTRACT: A potential solution to the inability of Macintosh text and graphics applications to share electronic documents with other Macintosh or PC users is document-interchange, or protable-document, applications such as No-Hands Software's Common Ground, Adobe Systems' Acrobat Exchange, Farallon Computing's Replica, and Electronic Book Technologies' DynaText.

In addition, all of these programs - except Common Ground - facilitate cross-platform viewing of documents. Document-interchange programs take 2 different approaches to electronic document distribution. Print capture applications come with a driver that prepares documents to be printed into the portable document application. Mini apps use the portable-document program to create documents and distribute them with a viewer.

COMPANY NAMES:

Adobe Systems Inc (DUNS:10-209-6559 TICKER:ADBE)

Electronic Book Technologies Inc

Farallon Computing Inc (DUNS:17-543-2608)

Frame Technology Corp (DUNS:15-445-6974)

Interleaf Inc (DUNS:06-125-3076 TICKER:LEAF)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Software packages; Image processing system ; Systems  
portability; Manyproducts; Manycompanies

CLASSIFICATION CODES: 5240 (CN=Software & systems); 9190 (CN=United States)

...TEXT: Generally, these programs take documents created in disparate applications and turn them into a common **format** that **several** users can then read electronically.

Additionally, all of these programs--except Common Ground--facilitate cross ... hypertext links within and among documents, and it supports document printing (along with sound and **video annotation**). FrameReader also supports FrameMaker's graphics-import-by-reference feature, in which graphics are stored...

8/5,K/3 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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4875509 INSPEC Abstract Number: C9503-6130B-039

**Title: Timelines: an interactive system for the collection and visualization of temporal data**

Author(s): Harrison, B.L.; Owen, R.; Baecker, R.M.

Author Affiliation: Dept. of Ind. Eng., Toronto Univ., Ont., Canada

Conference Title: Proceedings Graphics Interface '94 p.141-8

Editor(s): Davis, W.A.; Joe, B.

Publisher: Canadian Inf. Process. Soc, Toronto, Ont., Canada

Publication Date: 1994 Country of Publication: Canada viii+246 pp.

ISBN: 0 9695338 3 7

Conference Title: Proceedings Graphics Interface '94

Conference Date: 18-20 May 1994 Conference Location: Banff, Alta., Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Human-computer interaction (HCI) researchers collect, analyze and interpret information about user behavior in order to make inferences about the systems they are designing. This paper describes four paradigm shifts in HCI research and discusses how each influences data collection and analysis. Based on these trends, the implications for tool design are outlined. We then describe the Timelines system, which was created to address both these paradigm shifts and two years of user testing results from the VANNA ( **V**ideo **A**NNotation and Analysis) system. The Timelines system is an interactive data collection and visualization tool which supports both quantitative and qualitative analysis, and exploratory sequential data analysis. It accepts **many** diverse **types** of temporal data and provides the user with powerful data manipulation and color graphical visualization tools. We summarize four representative case studies which reflect different methodological approaches and research goals, typical of our user community. From this, the implications for the design of our system (and for data collection and analysis tools in general) are described. (25 Refs)

Subfile: C

Descriptors: colour graphics; data acquisition; data analysis; data visualisation; interactive systems; temporal databases; video recording

Identifiers: Timelines system; interactive system; temporal data collection; temporal data visualization; human-computer interaction; user behavior; paradigm shifts; tool design; VANNA system; **video annotation** ; video analysis; quantitative analysis; qualitative analysis; exploratory sequential data analysis; data manipulation tools; color graphics; case studies; methodological approaches; research goals

Class Codes: C6130B (Graphics techniques); C6180 (User interfaces); C5520 (Data acquisition equipment and techniques)

Copyright 1995, IEE

...Abstract: address both these paradigm shifts and two years of user testing results from the VANNA ( **Video ANNotation** and Analysis) system. The Timelines system is an interactive data collection and visualization tool which supports both quantitative and qualitative analysis, and exploratory sequential data analysis. It accepts **many** diverse **types** of temporal data and provides the user with powerful data manipulation and color graphical visualization...

...Identifiers: **video annotation** ;

Set	Items	Description
S1	1126194	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	14907	S1(3N) (ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR -SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?)
S3	9284004	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	847047	S3(3N) (MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	2987036	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	5506477	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	1025324	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	23	S2(5N)S4
S9	28	S2 AND S4 AND (S8 OR WEBCAST? OR MULTICAST?)
S10	21	S9 NOT PY>1998
S11	20	S10 NOT PD=19980915:20000915
S12	20	S11 NOT PD=20000915:20021215
File 471:		New York Times Fulltext 90-Day 2002/Dec 11 (c) 2002 The New York Times
File 489:		The News-Sentinel 1991-2002/Dec 10 (c) 2002 Ft. Wayne Newspapers, Inc
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File 492:		Arizona Repub/Phoenix Gaz 19862002/Jan 06 (c) 2002 Phoenix Newspapers
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File 642:		The Charlotte Observer 1988-2002/Dec 11 (c) 2002 Charlotte Observer
File 643:		Grand Forks Herald 1995-2002/Dec 11 (c) 2002 Grand Forks Herald
File 701:		St Paul Pioneer Pr Apr 1988-2002/Dec 08 (c) 2002 St Paul Pioneer Press
File 702:		Miami Herald 1983-2002/Nov 17 (c) 2002 The Miami Herald Publishing Co.
File 703:		USA Today 1989-2002/Dec 11 (c) 2002 USA Today
File 704:		(Portland)The Oregonian 1989-2002/Dec 09 (c) 2002 The Oregonian
File 706:		(New Orleans)Times Picayune 1989-2002/Dec 11 (c) 2002 Times Picayune
File 707:		The Seattle Times 1989-2002/Dec 09 (c) 2002 Seattle Times
File 708:		Akron Beacon Journal 1989-2002/Dec 11 (c) 2002 Akron Beacon Journal
File 709:		Richmond Times-Disp. 1989-2002/Dec 11 (c) 2002 Richmond Newspapers Inc
File 712:		Palm Beach Post 1989-2002/Nov 27 (c) 2002 Palm Beach Newspapers Inc.
File 713:		Atlanta J/Const. 1989-2002/Dec 12

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 File 714: (Baltimore) The Sun 1990-2002/Dec 11  
 (c) 2002 Baltimore Sun  
 File 715: Christian Sci. Mon. 1989-2002/Dec 12  
 (c) 2002 Christian Science Monitor  
 File 716: Daily News Of L.A. 1989-2002/Dec 10  
 (c) 2002 Daily News of Los Angeles  
 File 717: The Washington Times Jun 1989-2002/Dec 11  
 (c) 2002 Washington Times  
 File 718: Pittsburgh Post-Gazette Jun 1990-2002/Dec 12  
 (c) 2002 PG Publishing  
 File 719: (Albany) The Times Union Mar 1986-2002/Dec 11  
 (c) 2002 Times Union  
 File 720: (Columbia) The State Dec 1987-2002/Dec 11  
 (c) 2002 The State  
 File 721: Lexington Hrlld.-Ldr. 1990-2002/Dec 11  
 (c) 2002 Lexington Herald-Leader  
 File 722: Cincinnati/Kentucky Post 1990-2002/Dec 10  
 (c) 2002 The Cincinnati Post  
 File 723: The Wichita Eagle 1990-2002/Dec 11  
 (c) 2002 The Wichita Eagle  
 File 724: (Minneapolis) Star Tribune 1989-1996/Feb 04  
 (c) 1996 Star Tribune  
 File 725: (Cleveland) Plain Dealer Aug 1991-2000/Dec 13  
 (c) 2000 The Plain Dealer  
 File 731: Philad. Dly. News 1983- 2002/Dec 10  
 (c) 2002 Philadelphia Newspapers Inc  
 File 732: San Francisco Exam. 1990- 2000/Nov 21  
 (c) 2000 San Francisco Examiner  
 File 733: The Buffalo News 1990- 2002/Dec 09  
 (c) 2002 Buffalo News  
 File 734: Dayton Daily News Oct 1990- 2002/Dec 11  
 (c) 2002 Dayton Daily News  
 File 735: St. Petersburg Times 1989- 2000/Nov 01  
 (c) 2000 St. Petersburg Times  
 File 736: Seattle Post-Int. 1990-2002/Dec 11  
 (c) 2002 Seattle Post-Intelligencer  
 File 738: (Allentown) The Morning Call 1990-2002/Dec 11  
 (c) 2002 Morning Call  
 File 740: (Memphis) Comm. Appeal 1990-2002/Dec 11  
 (c) 2002 The Commercial Appeal  
 File 741: (Norfolk) Led./Pil. 1990-2002/Dec 11  
 (c) 2002 Virg.-Pilot/Led.-Star  
 File 742: (Madison) Cap. Tim/Wi. St. J 1990-2002/Dec 11  
 (c) 2002 Wisconsin St. Jrnl  
 File 743: (New Jersey) The Record 1989-2002/Dec 10  
 (c) 2002 No. Jersey Media G Inc  
 File 744: (Biloxi) Sun Herald 1995-2002/Dec 10  
 (c) 2002 The Sun Herald

' 12/3,K/1 (Item 1 from file: 494)  
DIALOG(R)File 494:St LouisPost-Dispatch  
(c) 2002 St Louis Post-Dispatch. All rts. reserv.

07684009

**A NEW LOOK AT OLD FAVORITES EXPLORING CHICAGO'S AFRICAN-AMERICAN HERITAGE**

St. Louis Post Dispatch (SL) - SUNDAY, July 3, 1994

By: Jabari Asim

Of The Post-Dispatch Staff

Photo By James A. Finley

Of The Associated Press

Edition: FIVE STAR Section: TRAVEL Page: 01T

Word Count: 1,489

... African and African-American scholars as the narrators and designers of their peoples' stories.

Large- **format** photo cutouts, **three** -dimensional constructions, **text** and **video** monitors combine to present a fairly comprehensive tour of the African diaspora. Curators of the...

12/3,K/2 (Item 1 from file: 631)

DIALOG(R)File 631:Boston Globe

(c) 2002 Boston Globe. All rts. reserv.

04048855

**MACWORLD SHOW TO START WITH NEW APPLE PRODUCTS**

BOSTON GLOBE (BG) - TUESDAY August 11, 1987

By: John Wilke, Globe Staff

Edition: THIRD Section: BUSINESS Page: 37

Word Count: 279

...include with new Macintoshes a software "toolkit" that lets users create and customize information of **different types** , including **text** , graphics, **video** , music, voice and animation.

Users can organize and retrieve information in different ways and write ...

12/3,K/3 (Item 1 from file: 633)

DIALOG(R)File 633:Phil.Inquirer

(c) 2002 Philadelphia Newspapers Inc. All rts. reserv.

03013250

**THIS WEEK, THE VIDEOTAPE OF 'GWTW' TO BE RELEASED**

PHILADELPHIA INQUIRER (PI) - SUNDAY February 24, 1985

By: Steve Stecklow, Inquirer Staff Writer

Edition: FINAL Section: FEATURES BOOKS / LEISURE Page: M10

Word Count: 690

...GWTW has appeared on U.S. television five times since 1976. According to Gallagher, a **subtitled videotape version** was released abroad **more** than a year ago and sold for about \$150. But at the time, MGM/UA...

12/3,K/4 (Item 1 from file: 634)

DIALOG(R)File 634:San Jose Mercury

(c) 2002 San Jose Mercury News. All rts. reserv.

09293037

**MAGNIFI INC.**

San Jose Mercury News (SJ) - Monday, October 20, 1997

Edition: Morning Final Section: Business Monday Page: 2E

Word Count: 117

TEXT:

...Calif. 95014

(box) Business: Designs and markets software to organize, manage and retrieve information across **many** media **types** -- including **text**, images, sound, **video**, virtual reality and animation -- on the Internet and corporate intranets.

(box) Chairman/CTO: Eric Hoffert...

12/3,K/5 (Item 1 from file: 641)

DIALOG(R)File 641:Rocky Mountain News

(c) 2002 Scripps Howard News. All rts. reserv.

06365004

**TV'S NEW WAVE: SOME TERMS**

Rocky Mountain News (RM) - MONDAY DECEMBER 30, 1991

Edition: FINAL Section: LOCAL Page: 20

Word Count: 260

TEXT:

... Multimedia: Developers are still wrestling with a definition, but the idea involves the mixing of **many types** of communication - **video**, **audio**, data, **text** and **animation** - in a single presentation.

\* HDTV: High-definition television. This new generation of TV will "scan...

12/3,K/6 (Item 1 from file: 702)

DIALOG(R)File 702:Miami Herald

(c) 2002 The Miami Herald Publishing Co. All rts. reserv.

03014867

**'GONE WITH THE WIND' GOES HOME**

Miami Herald (MH) - THU FEB 28 1985

By: STEVE STECKLOW Knight-Ridder News Service

Edition: FINAL Section: LIVING TODAY Page: 1B

Word Count: 654

...version.

GWTW has appeared on U.S. television five times since 1976. Gallagher said a **subtitled videotape version** was released abroad **more** than a year ago and sold for about \$150. But at the time, MGM-UA...

12/3,K/7 (Item 1 from file: 703)

DIALOG(R)File 703:USA Today

(c) 2002 USA Today. All rts. reserv.

08597485

**Mixed signals on digital TV**

USA TODAY (US) - FRIDAY THROUGH SUNDAY January 05, 1997

By: Mike Snider

Edition: FINAL Section: LIFE Page: 05D

Word Count: 1298

...December allow up to 18 broadcast formats.

High-definition TV is one option. Another is **'multicasting'** the simultaneous broadcast of several channels of programming (at less-than-HDTV quality). For instance...

... broadcasting movies or series such as Frasier (or PBS' Masterpiece Theatre) in the high-resolution **format** and with a **more** rectangular, theatrical-proportioned screen.



' The first HDTV sets, due in the middle of next year...

... a picture to create a complete image. HDTV also uses interlaced scanning, but with far **more resolution** than today's TV.

With PCs, they say, viewers could more quickly make use of... in experimenting with this.

PC industry proposal

Emphasizes information services over picture quality, with a **format more** easily adaptable to PCs.

Allows for broadcast of World Wide Web and Internet content plus other **audio , text** and graphics.

Would phase in screens of higher resolution but start at 720 lines of...

**12/3,K/8 (Item 2 from file: 703)**

DIALOG(R)File 703:USA Today

(c) 2002 USA Today. All rts. reserv.

08156013

**PACTEL TAPS INTO ORACLE, H-P**

USA Today (US) - MONDAY June 5, 1995

Edition: FINAL Section: MONEY Page: 02B

Word Count: 166

...and Orange County, Calif.

Oracle's Media Server - which stores, retrieves and manages information of **various types** , including **video , audio** , images, **text** and data, on a server computer - and its Media Net - which links the server software ...

**12/3,K/9 (Item 1 from file: 707)**

DIALOG(R)File 707:The Seattle Times

(c) 2002 Seattle Times. All rts. reserv.

07343127

**VIDEOS**

Seattle Times (SE) - Thursday December 9, 1993

By: JEFF SHANNON, JOHN HARTL

Edition: FINAL Section: ARTS, ENTERTAINMENT Page: E3

Word Count: 992

... office hit, including an extensive dream sequence that was deleted from the 1991 film. The **more expensive version** includes four **more** minutes, plus interviews, **commentary** on an alternative **audio** track, the entire shooting script, trailers and story boards. Cameron claims that "in this age...

**12/3,K/10 (Item 1 from file: 709)**

DIALOG(R)File 709:Richmond Times-Disp.

(c) 2002 Richmond Newspapers Inc. All rts. reserv.

06337063

**CD-ROM SAVES SPACE, SPEEDS SEARCH FOR DATA**

Richmond News Leader (VA) - MONDAY December 2, 1991

By: Karen Shaffer Holmstrom Karen Shaffer Holmstrom is a Richmond-based . computer consultant.

Edition: Metro Section: Business Page: B-17

Word Count: 736

... have a special sound interface board installed. Multimedia allows the user the ability to mix **many** data **types** , like **text** , graphics, **audio**

, video , and animation

A compact disk is roughly the size of a 5 1/4-inch...

12/3,K/11 (Item 1 from file: 713)

DIALOG(R)File 713:Atlanta J/Const.

(c) 2002 Atlanta Newspapers. All rts. reserv.

09056112

**NET WATCH THE AJC'S DAILY ONLINE GUIDE BASEBALL CHAT SALUTES ROBINSON**

Atlanta Constitution & JOURNAL (AC & JOURNAL) - Tuesday, February 25, 1997

By: Art Kramer STAFF WRITER

Section: FEATURES Page: D/(CONSTITUTION): 05

Word Count: 680

... BAT, will feature archival film clips of Robinson in action for the Brooklyn Dodgers and **audio commentary** by Willie Mays, New York Mayor Rudolph Giuliani and others.

MLB@BAT: <http://www>

.majorleaguebaseball...

... race. Clemons' next stop in Georgia on NASCAR's All-Pro series will be July 3 at Lanier National **Speedway** in Gainesville. The Clemons All-American Racing Team: <http://www.4rgmall.com>

/clemrace/

Today

5 p.m.: LL Cool J on Apple Computer's Grammy **Webcast** site: <http://grammy.apple.com/>

-7:30 p.m.: The Fugees on Apple Computer's Grammy **Webcast** site: <http://grammy.apple.com/>

-9 p.m.: Jason Kidd and Cedric Ceballos of the...

12/3,K/12 (Item 2 from file: 713)

DIALOG(R)File 713:Atlanta J/Const.

(c) 2002 Atlanta Newspapers. All rts. reserv.

08848116

**NETWATCH THE AJC'S DAILY ONLINE GUIDE FOR THE DIGITAL VERSION OF THIS**

**REPORT, POINT YOUR BROWSER TO HTTP://WEB.AJC.COM/NETWATCH/ AOL WANTS AN  
EDGE OVER WEB CONTENT**

Atlanta Constitution & JOURNAL (AC & JOURNAL) - Friday, December 13, 1996

By: Art Kramer, Elizabeth Lee and news services

Section: FEATURES Page: F/(CONSTITUTION): 05

Word Count: 804

... cameras. The system has been available since February from Wolf Camera during testing. The final **version**, with **several** new features, debuted nationwide Thursday at more than 2,500 outlets, including Eckerd Drugs and ...

...device.

NETC.

Saturday's a bonanza for celebrity-sighting on the Web. E! Online is **webcasting** from the premiere of "Evita," promising photos, fashion **commentary**, audience questions and **RealAudio** interviews by gossip columnist Ted Cassblanca. The show starts at 8:30 p.m. at...

12/3,K/13 (Item 1 from file: 715)

DIALOG(R)File 715:Christian Sci.Mon.

(c) 2002 Christian Science Monitor. All rts. reserv.

09329708

**TEACHING DYLAN AT TENNYSON'S EXPENSE?**

Christian Science Monitor (CH) - Wednesday, January 21, 1998

By: Paul Van Slambrouck, Staff writer of The Christian Science Monitor

Edition: ALL Section: UNITED STATES Page: 4

Word Count: 993

... spent most of the day offering learned observations about Dylan's politics, religion, and recording **styles** , **many** interspersed their **comments** with sound and **video** clips.

Heads bobbed, eyes closed, and smiles spread. The pop-culture debate aside, it seemed...

12/3,K/14 (Item 1 from file: 719)

DIALOG(R)File 719:(Albany) The Times Union

(c) 2002 Times Union. All rts. reserv.

08853133

**MULTILINGUAL SOFTWARE GIVES VOICES TO THE NET**

TIMES UNION (AL) - Wednesday, December 18, 1996

Edition: THREE STAR Section: LIFE & LEISURE Page: D8

Word Count: 784

... of its DB2 Universal Database software that allows users to store and manage video and **audio** as well as **text** .

It also will allow users to access DB2 databases on the Internet and intranets, or...

... Corp. has come up with a Universal Server database management system that also can process **multiple types** of data such as **audio** , **video** and **text** .

And earlier this year, Oracle Corp. announced a similar product it is planning to incorporate...

12/3,K/15 (Item 1 from file: 724)

DIALOG(R)File 724:(Minneapolis)Star Tribune

(c) 1996 Star Tribune. All rts. reserv.

07713022

**BLACK HISTORY GOES TO CHICAGO'S ROOTS**

STAR TRIBUNE (MS) - Sunday, July 31, 1994

By: Jabari Asim, St. Louis Post-Dispatch

Edition: Metro Edition Section: TASTE & TRAVEL Page: 01G

Word Count: 1,241

... feet and was a five-year collaborative effort by African and African-American scholars.

Large- **format** photo cutouts, **three** -dimensional constructions, **text** and **video** monitors present a fairly comprehensive tour of the African diaspora. Both the people and the...

12/3,K/16 (Item 1 from file: 731)

DIALOG(R)File 731:Philad.Dly.News

(c) 2002 Philadelphia Newspapers Inc. All rts. reserv.

04066956

**APPLE BEEFS UP SOFTWARE HOPES FOR EDGE OVER IBM MODELS**

Philadelphia Daily News (R) - TUESDAY August 11, 1987  
By: Daily News Wire Services  
Edition: PM Section: BUSINESS Page: 26  
Word Count: 352

... include with new Macintoshes a software 'toolkit' that lets users create and customize information of **different types** , including **text** , graphics, **video** , music, voice and animation.

Another set of software and hardware products will enable the Macintosh  
...

12/3,K/17 (Item 1 from file: 732)  
DIALOG(R)File 732:San Francisco Exam.  
(c) 2000 San Francisco Examiner. All rts. reserv.

08727050

**THE MULTIMEDIA BOOM PLANNERS SAY LOSS OF S.F. JOBS IN FINANCIAL SERVICES IS  
OFFSET BY SURPRISING GROWTH OF WHOLE NEW INDUSTRIES**  
San Francisco Examiner (EX) - Wednesday, August 14, 1996  
By: EXAMINER EDITORIAL WRITER  
Edition: SECOND Section: NEWS Page: A18  
Word Count: 514

... Department, a whole new category of job-intensive businesses has been created from "integration of **various types** of communication ( **video** , sound, **text** , graphics), various industries (computer manufacturing, telecommunications, graphic art, motion pictures, software, printing and publishing and...

12/3,K/18 (Item 1 from file: 736)  
DIALOG(R)File 736:Seattle Post-Int.  
(c) 2002 Seattle Post-Intelligencer. All rts. reserv.

09531019

**INTERNET SPEEDWAY WILL OPEN BY JULY**  
SEATTLE POST-INTELLIGENCER (SP) - Saturday, January 31, 1998  
By: WARREN WILSON P-I Reporter  
Edition: Final Section: Business Page: B3  
Word Count: 397

TEXT:

...Seattle, Tacoma and Olympia - before July.

Various companies - including cable television providers - are working on **different** ways to **speed** the flow of **text** , graphics, **audio** and **video** around the burgeoning public computer network.

12/3,K/19 (Item 1 from file: 743)  
DIALOG(R)File 743:(New Jersey)The Record  
(c) 2002 No.Jersey Media G Inc. All rts. reserv.

08718092

**SNARING THE NET ESSENTIALS**  
Record (Northern New Jersey) (RE) - MONDAY, August 5, 1996  
By: PETER GRAD  
Edition: All Editions Section: BUSINESS Page: b01  
Word Count: 1,484

... Explorer. The current versions of both are capable of reading the most advanced coding for **animation** , scrolling **text** , and **various** headline **formats** , as well as for listening to voice and music files.

The competition between Microsoft and...the free offer of Yeah Write recently was overwhelming. We'll extend the offer one **more** week. Send a

. . . ' formatted , 3 .5-inch k to me and I'll return it with copy of the...

12/3,K/20 (Item 2 from file: 743)  
DIALOG(R) File 743:(New Jersey)The Record  
(c) 2002 No.Jersey Media G Inc. All rts. reserv.

07664005

**JUST WHAT IS 'BANDWIDTH,' ANYWAY?**

Record (Northern New Jersey) (RE) - MONDAY, June 13, 1994

By: J. GREG PHELAN

Edition: All Editions Section: BUSINESS Page: c02

Word Count: 662

... of the information highway, I decided to experiment. I wanted to find out how fast **different types** of data - **text** , sound, graphics, and **video** - traveled from a remote computer to my PC.

To keep the playing field relatively even...

Set	Items	Description
S1	12438	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	670	S1(3N)(ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR -SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?)
S3	36649	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	6933	S3(3N)(MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	17965	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	11242	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	41824	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	56	S2 AND S4 AND S7
S9	15	S8 AND S6
S10	16	S8 AND S5
S11	26	S9 OR S10
S12	20	S11 NOT PY>1998
S13	17	S12 NOT PD>19980915

File 256:SoftBase:Reviews,Companies&Prods. 82-2002/Nov  
(c)2002 Info.Sources Inc

13/3,K/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

01528994 DOCUMENT TYPE: Product

**PRODUCT NAME: NeoBook Professional 2.1i & 3.2f (528994)**

NeoSoft Corp (517798)  
PO Box 5667  
Bend, OR 97708 United States  
TELEPHONE: (541) 389-5489

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 990616

...educational materials, kiosk-type displays, electronic brochures, catalogs, etc. To create a publication, the system **inserts** pages and command buttons are placed onto pages. **Text**, **animation** and images are **inserted** and colors, font styles and other attributes are selected. Finally, the **integral** compiler is used to assemble all elements of a publication into a single, executable program...  
...advantage of the 32-bit Windows platforms. It allows nonprogrammers to quickly create and publish **many types** of interactive, multimedia software.

DESCRIPTORS: Multimedia; Electronic Publishing; Authoring Systems;  
Presentations; Training; Publishing; Page Composition; E-Learning;  
Foreign Language Packages; **Web Site** Design; Desktop Publishing

13/3,K/2

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
(c)2002 Info.Sources Inc. All rts. reserv.

01350591 DOCUMENT TYPE: Product

**PRODUCT NAME: Adobe Premiere 6.0 (350591)**

Adobe Systems Inc (394173)  
345 Park Ave  
San Jose, CA 95110-2704 United States  
TELEPHONE: (408) 536-6000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 020918

...interface and superb editing control for producing broadcast-quality movies for video, multimedia or the **Web**. Adobe's award-winning digital video editing program includes studio-quality audio tools, long- **format** editing tools, **more** versatile titling capabilities, keyframable filters, optimized edit decision list (EDL) support and much more. It...  
...using the Source/Program controls in the Monitor window; produce studio-quality soundtracks using professional **audio** filters; add **text** rolls and text crawls with precise control; create videos with complete audio-video **synchronization**; apply multiple keyframes to video and audio filters; integrate smoothly with Adobe After Effects and Adobe Illustrator software; export edit lists; and export to **Web**.

13/3,K/3

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

(c)2002 Info.Sources Inc. All rts. reserv.

01099228 DOCUMENT TYPE: Product

**PRODUCT NAME: Jump Backs (099228)**

Digital Juice Inc (696374)  
1736 NE 25th Ave  
Ocala, FL 34470-4854 United States  
TELEPHONE: (352) 369-0930

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 020822

...The volumes, which can be purchased separately, include approximately 40 loops each. Users can add **video**, **text**, or graphics to the backgrounds. Jump Backs content is created at 60fps. Backgrounds can be...

...which outputs work to PAL, NTSC, and DV formats. The Juicer also produces backgrounds at **various resolutions**. Jump Backs lets editors create seamless animation loops. It works with all nonlinear editing systems...

...Digital Betacam (TM), and SVHS versions. Bundle purchases of Jump Backs are offered with free **internal** DVD drives or inexpensive external Firewire drives. A demonstration video can be accessed on the Digital Juice **Web site**.

13/3,K/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

(c)2002 Info.Sources Inc. All rts. reserv.

01017425 DOCUMENT TYPE: Product

**PRODUCT NAME: Concordance (017425)**

Dataflight Software Inc (435961)  
2337 Roscomare Rd #11  
Los Angeles, CA 90077 United States  
TELEPHONE: (310) 471-3414

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 000000

Dataflight Software's Concordance (R) is a leading text retrieval application that **combines** natural query language, modular design, fast retrieval, a powerful programming language, broad file import support, an **integrated** editor, and a large database capacity. Concordance offers full text database management of up to...

...import Outlook e-mails, Acrobat PDFs, rich text content, OCR applications, transcripts, and text in **many** other **formats**. Concordance offers full network features, including record- and file-locking. The application is well suited...

...documents. In addition, users can attach nontext notes to their text files, which can include **Web** addresses, **audio notes**, or **videos**, and they can add issue coding and quick notes to the file. The fully 32...

13/3,K/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.



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01004233 DOCUMENT TYPE: Product

**PRODUCT NAME: Oracle 8i (004233)**

Oracle Corp (010740)  
500 Oracle Pkwy  
Redwood Shores, CA 94065 United States  
TELEPHONE: (650) 506-7000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 000924

...a database management system that allows users to manage and store all types of information: **Internet** -related data, **multimedia**, time series, **text**, and relational data. It can manage complex data with cartridges that plug into the database...

...thin clients (network computers) to large mainframes. Oracle's Object Manager allows developers to mix **different types** of objects **within** the same application, such as Java and ActiveX on a client, COM objects on a...

...recovery functions, and server-based queuing. The 8i edition of Oracle is optimized for storing **Internet** data. **Internet** features include iFS (**Internet** File System), which reduces administrative costs by allowing users to retrieve documents and files from a database. interMedia handles the special rich data types found on the **Internet**, including audio and video.

DESCRIPTORS: Program Development; Database Management; Data Warehouses; Image Storage; Database Servers; **Internet** Utilities

**13/3,K/6**

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00109724 DOCUMENT TYPE: Review

**PRODUCT NAMES: Softscape QuickFind (697079); Sonar (284157); ZyINDEX (018968); Microsoft Office 97 (248134)**

**TITLE: Document file searching**

**AUTHOR: Falk, Howard**

**SOURCE: Electronic Library, v16 n3 p199(5) Jun 1998**

**ISSN: 0264-0473**

**HOME PAGE: <http://www.learned.co.uk>**

RECORD TYPE: Review

REVIEW TYPE: Product Comparison

GRADE: Product Comparison, No Rating

REVISION DATE: 20000830

...Systems, ZyLAB's ZyINDEX, and Microsoft's Microsoft Office 97's FindFast are four very **different types** of document file search software.

QuickFind is in many ways the ideal document searching package...

...aid in broadening searches. The display can show lines of text around a search word. **Notes**, objects, **video**, and sound can be **embedded** in files for easy searching. Searches can be archived in a number of ways.

FindFast comes with Microsoft Office. Among other strengths, it is designed to index documents stored on **intranet** server computers.

13/3,K/7

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00109557 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Microsoft Corp (850195); Company--RealNetworks Inc (862266)

TITLE: Microsoft And RealNetworks Wage Media War

AUTHOR: Booker, Ellis

SOURCE: InternetWeek, v723 p13(1) Jul 13, 1998

ISSN: 0746-8121

HOME PAGE: <http://www.internetwk.com>

RECORD TYPE: Review

REVIEW TYPE: Company

REVISION DATE: 20020703

Microsoft and RealNetworks continue to battle for dominance in the **Internet** multimedia arena, with new client-side media players. RealNetworks will release G2 (beta), the next...

...released a new edition of its Windows Media Player, which now supports streaming media and **many** other file **formats**, including WAV, MIDI, and QuickTime. Microsoft also will provide a free streaming service for Windows ...

...development paths. Both want to make their own formats and protocols the standard for the **Internet**. Microsoft's Microsoft Media Player and NetShow server use Microsoft's Active Streaming Format, and RealNetworks uses its RealAudio and RealVideo formats; RealNetworks says that over 85 percent of all **Internet Web pages** with streaming media use RealNetworks' formats. G2 will be the first streaming media player supporting W3C-adopted **Synchronized** Multimedia Integration Language (SMIL), which provides presentations with **synchronized audio, video, text**, graphics, and simulation. Microsoft has no plans to support SMIL, saying that existing **Internet** standards, including Java and Dynamic Hypertext Markup Language (DHTML), do the same thing.

DESCRIPTORS: **Internet** Utilities; Multimedia; Network Administration; Streaming Media

13/3,K/8

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00108990 DOCUMENT TYPE: Review

PRODUCT NAMES: RealSystem G2 (703443)

TITLE: RealNetworks gives multimedia apps a boost

AUTHOR: Nerney, Chris

SOURCE: Network World, v15 n18 p65(1) May 4, 1998

ISSN: 0887-7661

HOME PAGE: <http://www.nwfusion.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

RealNetworks' new RealSystem G2 line of software is designed for creating and playing **Internet** and **intranet** audio, video, and animation files.

The system lets enterprises deliver **synchronized** multimedia presentations to employee desktops. One version **combines** multimedia servers, players, and authoring tools, to let companies create and deploy such applications as live executive broadcasts, company meetings, and training scenarios over the corporate **intranet**. Another package is geared toward public **Web sites** using multimedia and lets content developers create **synchronized audio, video, and text** presentations. RealNetworks addresses two major problems often faced by **Internet**-based multimedia programs: the need to download software to run audio or video files in **multiple formats**, and sluggish performance at slower connection speeds. The key elements of RealSystem G2 are support for **several** multimedia **types** and its server-based SmartStream technology. Users can run files in **several** multimedia **formats**, including AVI, JPEG, MPEG, WAV, and AU. Transmission problems, caused by fluctuating bandwidth, are eliminated...

DESCRIPTORS: Business Graphics; Conferencing; **Internet** Utilities;  
Meetings & Conventions; Multimedia; Presentations; Streaming Media

13/3,K/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00102003 DOCUMENT TYPE: Review

PRODUCT NAMES: MediaBank (629111); Cumulus Media Management System (472964); MediaSphere (585548); Media Manager (664847); MediaAssets 1.5 (664855)

TITLE: Repurposing Content for Cross-Media Marketing

AUTHOR: Sharples, Hadley

SOURCE: Graphic Arts Monthly, v69 n2 p51(3) Feb 1997

ISSN: 1047-9325

HOME PAGE: <http://www.gammag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020321

...supports tracking, browsing, archiving, and purging of any prepress job element. This includes images, pages, **text**, and **multimedia** files on the network. TCP/IP connections are available for faster performance and **Internet** access for server administration over a WAN. Cumulus Image Database for the Macintosh is now...

...manage media in a networked workgroup or enterprise. MediaSphere is a multimedia library/archiving system **integrated** with Adobe Acrobat. It allows users to search a Portable Document Format page's content...

...process all types of digital objects, including video and sound files. Media Manager is a **client / server** media management application that offers access to **many types** of files via industry-standardized databases. A Color Central plug in from Luminous allows a...

13/3,K/10

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00100796 DOCUMENT TYPE: Review

PRODUCT NAMES: Genesys Astound! WebMotion 1.02 (656356)

TITLE: WebMotion 1.02: Memorable Web Pages to Impress Viewers

AUTHOR: Peterson, Steve

SOURCE: PC Graphics & Video, v6 n2 p58(2) Feb 1997

ISSN: 1060-5282

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

REVISION DATE: 20020830

**TITLE: WebMotion 1.02: Memorable Web Pages to Impress Viewers**

...the Java programming language from Sun Microsystems to deliver solutions that support all World Wide **Web** browsers. The product is an easy-to-use toolset for development of interactive **Web page** animations. It generates Java code that runs in Java-enabled browsers, including Netscape Communications' Netscape Navigator and Microsoft's Microsoft **Internet Explorer** (IE). Navigator supports Java for 16 separate Windows, Macintosh, and UNIX operating systems, and Microsoft supports Java under Windows 95 and will soon have **versions** ready for Windows 3.1 and the Mac. WebMotion is one of the easier to use Java products, with...

...including BMP, GIF, PCX, and JPEG. WebMotion animation actors can do both cel and path **animation**, and the excellent **Text Actor Wizard** allows users to choose font type, size, style, **alignment**, color, and strikeout or underline effects.

...DESCRIPTORS: Apple Macintosh; Authoring Systems; Electronic Publishing; Hypertext; IBM PC & Compatibles; Image Processing; Java; MacOS; UNIX; **Web Site** Design; Windows

13/3,K/11

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00099233 DOCUMENT TYPE: Review

**PRODUCT NAMES:** Caligari Pioneer (629391); Caligari Broadcast (336815); V.Realm Builder (639354); Virtual Home Space Builder 2.0 (593079); EZ3D (VRML) PC Version (638994); Virtus 3-D WebSite Builder 1.1 (619639)

**TITLE:** New Dimensions in VRML Authoring  
**AUTHOR:** Murie, Michael D  
**SOURCE:** NewMedia, v6 n16 p73(6) Dec 9, 1996  
**ISSN:** 1060-7188  
**HOME PAGE:** <http://www.newmedia.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Comparison  
GRADE: Product Comparison, No Rating

REVISION DATE: 20010330

...**PRODUCT NAMES:** 638994); Virtus 3-D WebSite Builder 1.1...

Caligari's Caligari Pioneer and Caligari Broadcast, **Integrated** Data Systems' V.Realm Builder, ParaGraph's Virtual Home Space Builder 2.0, Radiance Software's EZ3D (VRML) PC **Version**, and Virtus' Virtus 3 -D **WebSite** Builder 1.1 are part of a discussion of the current magnitude of Virtual Reality Modeling Language (VRML) authoring on the World Wide **Web**. In the future, a mouse that tracks eye movements could be the way users navigate...

...little VRML standardization in cyberspace. Many tools are available for creation of compact, interactive 3D **Web** environments, with more on the way. The six products described are evaluated for overall value...

...the highest marks overall, earning very good marks in all categories. Broadcast and 3-D **WebSite** Builder are the most refined VRML

world-building programs, mostly because of the vendors' experience...

...3D file formats. The latest VRML standard, VRML 2.0, provides enhanced modeling with interaction, **animation**, **scripting**, 3D sound support, and a streamlined structure for better performance. Sensor nodes set off events ...

...COMPANY NAME: 582263); **Integrated** Data Systems Inc...

DESCRIPTORS: 3D Graphics; Authoring Systems; Electronic Publishing;  
**Internet** Utilities; Simulation; Virtual Reality; VRML

**13/3,K/12**

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00098423 DOCUMENT TYPE: Review

**PRODUCT NAMES: ImageFX FXTools Professional 4.0 (645885)**

**TITLE: FXTools 4.0: Picture-Perfect**

**AUTHOR:** Bonner, Paul

**SOURCE:** Windows Sources, v4 n12 p114(1) Dec 1996

**ISSN:** 1065-9641

**HOME PAGE:** <http://www.winsources.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Review

**GRADE:** A

**REVISION DATE:** 19981030

ImageFX's ImageFX FXTools Professional 4.0, a collection of eight ActiveX **text**, imaging, and **multimedia** components, has features that ease development tasks required to add attention-getting graphics and strong **Internet** support to applications. The product allows images and multimedia to be **embedded** in text, and provides a Preview option that allows users to preview special effects and transitions for the Image, Label, Rotated-**text**, Shape, and **Video** controls during the design cycle. Over a hundred effects are provided, and users can add...

...support for the FXSnd (sound) control and functions for setting pivot points in the Rotated- **text** control. A new **video** -frame grabber and Hotspot editor allow users to add hot spots to video images, and...

...can be created using the image control. A particularly useful feature is the function that **combines** capture and backfill properties of the Image, Label, Rotated- **text**, Shape and **Video** controls to generate elaborate arrangements made up of **many** text **styles**, images, shapes, and other elements. ImageFX FXT Professional 4.0 is recommended as 'the cream...

**13/3,K/13**

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00096410 DOCUMENT TYPE: Review

**PRODUCT NAMES: Internet (833029); Multimedia (830081)**

**TITLE: What The Emperor Is Wearing**

**AUTHOR:** E, Jonathan

**SOURCE:** MicroTimes, p198(3) Sep 16, 1996

**HOME PAGE:** <http://www.microtimes.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

REVISION DATE: 20010530

PRODUCT NAMES: Internet (

Multimedia combines audio, video, and text with user-controlled navigation. Bringing multimedia to the World Wide Web, however, poses several challenges in terms of downloading the rich multimedia of Web sites and their many related and linked files. The Web holds a great vision of entertainment, multimedia, and instant information. However, much of this is still potential, and the Web is still in its early stages. Although multimedia Web sites can be created, users with standard modems and run-of-the-mill CPUs have to...

...to their audiences and what types of equipment they use. Also, besides the issue of speed, the many other related issues include the nature of the content and how it is paid for.

DESCRIPTORS: Internet ; Internet Marketing ; Internet Utilities;  
Multimedia

13/3,K/14

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00095945 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft OLE Automation (630705); DCOM (608165)

TITLE: Move to the networked model with OLE Automation, DCOM  
AUTHOR: Bysinger, Bill  
SOURCE: Health Management Technology, v17 n10 p32(2) Sep 1996  
ISSN: 0745-1075  
HOMEPAGE: <http://www.healthmgttech.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20001130

Microsoft's Microsoft OLE (Object Linking & Embedding) Automation and Distributed Component Object Model (DCOM) allow interconnection among clients and servers in the...

...of complex data from servers to clients. OLE allows users to construct elaborate documents using various types of data, including text, graphics, and animation. It also allows the data to be linked and integrated into a single document on the PC. OLE Automation divides software processing into three segments...

DESCRIPTORS: Client / server ; Distributed Objects; Health Care; Health Care Facilities; Integration Software; Interfaces; Network Software; Program Development

13/3,K/15

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00090326 DOCUMENT TYPE: Review

PRODUCT NAMES: Universal Database (604909)

TITLE: Oracle to unwrap Universal Database  
AUTHOR: Cole, Barb  
SOURCE: Network World, v13 n7 p6(1) Feb 12, 1996

ISSN: 0887-7661  
HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

Oracle's Universal Database (UD), a server that **combines** the Oracle RDBMS with support for **multiple** data **types** and included functions for managing distributed databases and World Wide **Web** servers, is based on Oracle 7 7.3. UD enhances performance for data warehousing and online transaction processing (OLTP) applications and has optional add-ins that offer support for **text**, spatial data, and **video**; it ships with **Web** server software. UD can manage **many** data **types** on corporate networks and those of the **Web**. Portions of UD formerly available individually are now available for all Oracle 7 platforms, with...

...gain access to a broad spectrum of data. With UD, users can construct more dynamic **Web** **pages** that include data and video.

DESCRIPTORS: Database Management; Decision Support Systems; Distributed Processing; **Internet** Utilities; Network Software; OLTP; Oracle; **Web** Servers

13/3,K/16

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00080626 DOCUMENT TYPE: Review

PRODUCT NAMES: **HTML** (835277)

**TITLE:** **HTML explained for dummies**  
**AUTHOR:** Ruddy, Thomas  
**SOURCE:** Link-Up, v12 n4 p33(1) Jul/Aug 1995  
**ISSN:** 0734-988X  
**HOMEPAGE:** <http://www.infotoday.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

The **Web**, the ever expanding **Internet** resource, provides access to millions of **servers** via **client** browser software. **Web** files are in **many** **formats**, including graphical, **audio**, **video**, and ASCII **text**. ASCII files are tagged with HyperText Markup Language (HTML) codes (a subset of Standard Generalized...  
...Development of HTML, created by the European Particle Physics Lab (CERN), is ongoing, and most **Web** browsers, including Mosaic and Netscape, employ it for input formatting. Anyone can put a **Web** **page** out on the 'Net, using a special word processing add-on like **Internet** Assistant for Microsoft Word for Windows 6.0, or a dedicated HTML authoring tool. Text helpers automate **insertion** of HTML tags, and editors like HoTMetal Pro provide a contextual list of appropriate tags...

DESCRIPTORS: Authoring Systems; Electronic Publishing; HTML; Hypertext; **Internet** Utilities; **Web** **Site** Design

13/3,K/17

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00071605

DOCUMENT TYPE: Review

PRODUCT NAMES: Lotus Notes: Document Imaging (LN:DI) Professional Edition  
3.0 (453081); Video for Notes (540528)

TITLE: Lotus Strengthens Notes Imaging, Video  
AUTHOR: Rooney, Paula  
SOURCE: PC Week, v11 n45 p93(1) Nov 14, 1994  
ISSN: 0740-1604

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

...PRODUCT NAMES: 453081); Video for Notes (

TITLE: Lotus Strengthens Notes Imaging, Video

...Document Imaging (LN:DI) 3.0 is an important upgrade with strong image handling and **more** support for image **types**. LN:DI 3.0 supports image compression with better performance and separates image parts, including text from photographs...

...recognition packages is provided. Lotus also recently began the second stage of beta tests for **VideoNotes**, a **Notes** groupware add-on that allows users to create and add **video** clips to **Notes**. **VideoNotes**, a **client / server** video package, is an Object Linking and **Embedding** (OLE) 2.0 application that allows users to **embed video** in **Notes** rich **text** fields. It uses a Site Manager module to track video clips and manage replication.

DESCRIPTORS: **Client / server**; Digital Video; Groupware; Image Storage;  
**Multimedia** Clips; Network Software; **Notes** /Domino



Set	Items	Description
S1	3977181	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	136136	S1(3N)(ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR -SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?)
S3	28120238	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	3666	S2(S)S3(3N)(MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	9733699	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	10705429	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	10430347	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	65	S4(S)S7(S)S5(S)S6
S9	48	RD (unique items)
S10	15	S9 NOT PY>1998
S11	14	S10 NOT PD=19980915:20000915
S12	14	S11 NOT PD=20000915:20021215
S13	465	S4(10N)S7
S14	67	S13(10N)(S5 OR S6)
S15	32	RD (unique items)
S16	90	S15 OR S8
S17	73	RD (unique items)
S18	28	S17 NOT PY>1998
S19	24	S18 NOT PD=19980915:20000915
S20	24	S19 NOT PD=20000915:20021215
File 275:Gale Group Computer DB(TM) 1983-2002/Dec 11 (c) 2002 The Gale Group		
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File 370:Science 1996-1999/Jul W3 (c) 1999 AAAS		
File 696:DIALOG Telecom. Newsletters 1995-2002/Dec 10 (c) 2002 The Dialog Corp.		
File 553:Wilson Bus. Abs. FullText 1982-2002/Oct (c) 2002 The HW Wilson Co		
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Dec 10 (c) 2002 The Gale Group		
File 674:Computer News Fulltext 1989-2002/Dec W2 (c) 2002 IDG Communications		
File 88:Gale Group Business A.R.T.S. 1976-2002/Dec 05 (c) 2002 The Gale Group		
File 15:ABI/Inform(R) 1971-2002/Dec 11 (c) 2002 ProQuest Info&Learning		
File 9:Business & Industry(R) Jul/1994-2002/Dec 10 (c) 2002 Resp. DB Svcs.		
File 13:BAMP 2002/Dec W1 (c) 2002 Resp. DB Svcs.		
File 810:Business Wire 1986-1999/Feb 28		

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File 610:Business Wire 1999-2002/Dec 11  
(c) 2002 Business Wire.  
File 623:Business Week 1985-2002/Dec 10  
(c) 2002 The McGraw-Hill Companies Inc  
File 647:CMP Computer Fulltext 1988-2002/Nov W3  
(c) 2002 CMP Media, LLC  
File 98:General Sci Abs/Full-Text 1984-2002/Oct  
(c) 2002 The HW Wilson Co.  
File 148:Gale Group Trade & Industry DB 1976-2002/Dec 10  
(c)2002 The Gale Group  
File 634:San Jose Mercury Jun 1985-2002/Dec 10  
(c) 2002 San Jose Mercury News

20/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02167954 SUPPLIER NUMBER: 20352857 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**A vision of the future from Web founder's crystal ball. (Tim Berners-Lee)**

**(Internet/Web/Online Service Information)**

Bicknell, David

Computer Weekly, p18(1)

Dec 11, 1997

ISSN: 0010-4787

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 591

LINE COUNT: 00052

... HTML, will be  
improved by using a  
mathematical markup language.  
In terms of architecture,  
future **Web** technology will  
incorporate a greater ability  
to **synchronise different**  
media **types** -- audio, video,  
text, images -- to offer more  
continuous presentations.  
In addition, the  
consortium's technology...

20/3,K/2 (Item 2 from file: 275)

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01935488 SUPPLIER NUMBER: 18286788 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**MULTIMEDIA DATABASES: OBJECT VENDORS STEAL A MARCH WHILE RELATIONALS**

**SQUABBLE - 2.**

Computergram International, n913, pCGN05150008

May 15, 1996

ISSN: 0268-716X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 970

LINE COUNT: 00081

... Oracle7 7.3 is a token product, a mere nod in the direction of the  
**Web**, say the critics. They argue that users depending on their long-time  
relational database supplier to take them into the world of multimedia will  
be disappointed with **version 7.3**. For example, the Meta Group slated  
it, saying that 7.3 is "a new media assortment that **combines** pre-existing  
and separate, **Web**, **text** management, messaging and **multimedia**  
information management products.... under a single marketing umbrella. It  
does not provide a totally **integrated** approach to new media data  
management." Oracle acknowledges that 7.3 is not truly object...

20/3,K/3 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01665585 SUPPLIER NUMBER: 15054794 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Z-Code Software's Z-Mail now handles multimedia data. (version 3.0 of**

**electronic mail software)**

Computergram International, CGI01050013

Jan 5, 1994

ISSN: 0268-716X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 131

LINE COUNT: 00010

... Software Corp's Unix-based electronic mail package, Z-Mail, now  
supports the Mime Multipart **Internet** Mail Extensions standard, which  
enables users to send binary **audio**, image and **text** files **embedded** in  
mail messages. According to Computerwoche, the multimedia data attaches  
itself to a conventional electronic...

20/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01431662 SUPPLIER NUMBER: 10757333 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**WAIS: many ways to do it. (Wide-Area Information Servers)**  
Dyson, Esther  
RElease 1.0, v91, n4, p7(8)  
April 30, 1991  
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 3378 LINE COUNT: 00255

TEXT:

...servers and clients at some 150 universities, and 27 WAIS databases newly available over the **Internet** (too new to draw many conclusions from). What is still missing is commercial commitments, but...

...Apple interface (with permission) and extend it with facilities for managing access and filters for **Internet** news groups. Also, NEXT plans to incorporate WAIS as part of a broader information strategy...

...American National Standards Institute-National Information Standards Organization) standard called Z39.50-1988 (also proceeding **within** the International Standards Organization as DIS 10162 and DIS 10163, but nicknamed SR-1 for...

...50 gets a makeover WAIS is a superset/subset of Z39.50 (originally defined as **Type 3** but now probably going to be an extension of **Type 1**), with **some** subtle changes to broaden its reach and eliminate some of the powerful but restrictive features...

...the ones you wanted from a list, the WAIS approach is more oriented to full- **text** and even **multi - media** . (For multi-media, the search routines look for text associated with the non-text items...

...a card catalogue (or any other document) are still possible but are no longer an **integral** part of the spec, which passes through arbitrary strings for full-text search as a...

...are that a single server can handle a number of clients more effectively, since the **server** handles each **client** transaction by transaction, and that documents identified by unique ID in one transaction can be...criteria such as date of publication, author, publisher, type of publication, headlines or abstract, or **within** the full text. It supports Boolean constraints and criteria explicitly but optionally; it could also ...

...formal transactions (at least as far as WAIS is concerned). The WAIS protocol allows any **client** and any **server** to communicate without crashing. Thus, in a natural-language query, there could be a lot...

...you can have two interdependent systems communicating with each other unknown to the WAIS protocol. **Matched** clients and servers work better in concert, of course, but all can work together to...

...and not Paris." In a more sophisticated one, before 1985,11 referring either to dates **within** the text (although the system might also pick up "Section 120311 or 111625 feet") or...center. The back-ends are Connection Machines, which perform high-speed parallel string searches and **matching** algorithms to retrieve the texts most relevant to each query. Other WAIS servers, such as...

...your own starter set for about \$150,000, software included. Sharing the smarts Like other **client - server** architectures, WAIS offers economies of scale. If you're doing something very smart, you can...

...subset of customers will buy it). This assumes, of course, reasonable adoption of WAIS. The **client - server** separation allows the maximum

intelligence in the model applied to the texts, and maximum access...have the numbers of the servers desired, or know how to reach them over some **internal** or external mail network. Remember that WAIS is a spec; the implementation details will vary...

20/3,K/5 (Item 1 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

04033358 Supplier Number: 53360653 (USE FORMAT 7 FOR FULLTEXT)

**Product Intros.**

Bank Technology News, pNA

March, 1998

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 978

... workflow capabilities.

FileNet claims that Panagon is the first product able to access documents stored **within** a **Web** browser interface. In addition, users can manage **more** than 200 document **formats**, including images, text, video and fax, according to FileNet. "No longer is an enterprise document...

20/3,K/6 (Item 2 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
(c) 2002 The Gale Group. All rts. reserv.

03901525 Supplier Number: 50075685 (USE FORMAT 7 FOR FULLTEXT)

**-EXCALIBUR: Excalibur announces Excalibur RetrievalWare 6.6 at IMC 98**

M2 Presswire, pN/A

June 11, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 589

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Excalibur RetrievalWare 6.6 at IMC 98 (C)1994-98 M2 COMMUNICATIONS LTD  
RDATE:100698 -- **Synchronizers** for Microsoft Exchange and Lotus Notes enhance world's leading knowledge retrieval solution which now...

...highlight proper names and entities, and an enhanced user interface. Overall, Excalibur RetrievalWare now supports **more** than 200 document **formats** including Microsoft Office '97. Excalibur RetrievalWare 6.6 advancements are in response to customers looking...

...and related shared data repositories, with all other enterprise knowledge assets. The addition of knowledge **synchronizers** for MS Exchange and Lotus Notes enables these repositories to be automatically **synchronized** and made searchable across an entire enterprise without having to disrupt the user by taking...

...for sale to existing RetrievalWare customers. Excalibur will offer and distribute the AFMs over the **Web**. In addition, Excalibur RetrievalWare 6.6 includes extended distributed and document- level security features as ...

...and 'visual RetrievalWare' products and provide powerful search and retrieval across all media types - paper, **text**, images, **video** and other multimedia data; throughout intranets, LANs/WANs, Xtranets and the **Internet**, enabling comprehensive access to precise information, no matter where it is stored or in whatever...

...784600 e-mail: cindyd@genuinearticle.co.uk \*M2 COMMUNICATIONS DISCLAIMS ALL LIABILITY FOR INFORMATION PROVIDED **WITHIN** M2 PRESSWIRE. DATA SUPPLIED BY NAMED PARTY/PARTIES.\*

20/3,K/7 (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03788204 Supplier Number: 48205514 (USE FORMAT 7 FOR FULLTEXT)  
**FRAX DEBUTS MPEGCAM COMPATIBLE VERSION OF VIDEO SPEC**  
Multimedia Publisher, v9, n1, pN/A  
Jan 1, 1998  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1020

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...offers custom development of interactive multimedia training. For more information on Video Spec see their **web site** at [http:// www .frax.com](http://www.frax.com) or call 800/FRAX-INC.

20/3,K/8 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

04768657 Supplier Number: 47019469 (USE FORMAT 7 FOR FULLTEXT)  
**Software Developers Unite to Bundle Next-Generation Productivity Suite; "Component Essentials" Brings Users Unprecedented Flexibility and Choice.**  
Business Wire, p01070116  
Jan 7, 1997  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 725

... consistent drag-and-drop environment, users can easily integrate OpenDoc, Netscape and Java components with **various** data **types** (e.g. **text** , graphics, **video** ) to create multimedia-rich, **Internet** -savvy documents.

Already fully **integrated** into the latest version of the Macintosh operating system (Mac OS 7.6, scheduled to...

20/3,K/9 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

04500710 Supplier Number: 46610115 (USE FORMAT 7 FOR FULLTEXT)  
**FORE SYSTEMS BUILDS ADVANCED SIGGRAPH '96 INTRANET**  
News Release, pN/A  
August 6, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 864

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...GraphicsNet require a networking infrastructure simultaneously able to support full motion video, high-resolution graphics, **audio** and data," **commented** Jeff Jortner, networking chair, SIGGRAPH '96. "We have again relied on an ATM-based switched...

...by telephone at (412) 772-6600, by fax at (412) 772-6500, and via the **Internet** at [http:// www .fore.com](http://www.fore.com) or [info@fore.com](mailto:info@fore.com). ATM Technology ATM technology enables users to link a...

...networks make optimum use of network bandwidth, reducing equipment requirements and costs, allowing users to **combine** local and wide area networks into a single environment, and significantly improving system

performance. GraphicsNet.

...and ES-3810 LAN switches for ATM connectivity at OC-3c rates. GraphicsNet provides connectivity **within** the Convention Center via direct ATM, 10BaseT switched Ethernet, or 10BaseT shared Ethernet. Wide area...

...OC-3c ATM is also available to the Contemporary Art Center in New Orleans, the **Internet**, and to a site in Germany. Seamless Connectivity Via LAN Emulation GraphicsNet **combines multiple** protocols, **speeds** and transport medium, all seamlessly connected using ATM Forum LAN Emulation 1.0. LANE provides...

...physical location. The ATM-based LANE network allows a simplified flat addressing network design and **multicast** support. Contributors Organizations contributing to GraphicsNet include: Best Power, Cisco Systems, D-Link Systems, FORE...

...by telephone at (412) 772-6600, by fax at (412) 772-6500, and via (he **Internet** at [http:// WWW .fore.com](http://WWW.fore.com) or [info@fore.com](mailto:info@fore.com).

20/3,K/10 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

04441050 Supplier Number: 46517883 (USE FORMAT 7 FOR FULLTEXT)  
**STERLING SOFTWARE DELIVERS VM:WEBSERVER FOR ACCESS TO IBM MAINFRAME DATA VIA THE WORLD WIDE WEB**  
PR Newswire, p0701NEM007  
July 1, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1000

... and documents created using HTML. It stores, retrieves, and processes information in various formats, including **text**, graphics, sound, image, **video**, and Java applets.

Mainframe Puts Benefits of **Client / Server Within Reach**  
With VM:Webserver, organizations take advantage of the World Wide Web to disseminate data...

20/3,K/11 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04236947 Supplier Number: 46202640 (USE FORMAT 7 FOR FULLTEXT)  
**World Leader in Portable PCs Introduces World's Fastest Notebook Computer**  
News Release, pN/A  
March 5, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 849

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...industry-first innovations, among them first utilization of the new low-voltage 133MHz Pentium processor. **Combination** of this state-of-the-art microprocessor with 16 megabyte of high-speed EDO DRAM...

...CD-ROM drive swappable with 3.5-inch FDD. Both Microsoft Windows95 and Microsoft Windows **Version 3 .1** are pre-installed, allowing users to choose one or the other. With the growing demand for true multimedia, computers with the ability to process and Communicate **text**, **video** and **audio** data, **notebook** PCs have to **match** desktop PCs in terms of processing speed, display, audio function and expandability. DynaBookTECRA 720 is...

...This optional super-slim CD-ROM drive offers fast data retrieval and

downloading speed that **match** those of most desktop PCs. 9. Dynamic sound effects are assured by a sound chip compatible with SoundBlaster Pro and an **integrated** microphone and stereo speakers. 10. The new PC comes standard with the communications functions required...

...PC. A 28,800bps (fax: 14,400bps) high-speed modem gives fast connection to the **Internet**, online services and paperless faxing. It also support PC to PC and peripheral communication via...

20/3,K/12 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

04200959 Supplier Number: 46143726  
**Oracle to unwrap Universal Database**  
Network World, p6  
Feb 12, 1996  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
Oracle is prepared to deliver a hybrid server that **combines** its flagship database with support for **multiple** data **types** and built-in capabilities for managing distributed databases and **Web** servers. The new hybrid server, called Universal Database, will have as its foundation Oracle7 Release...

20/3,K/13 (Item 6 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2002 The Gale Group. All rts. reserv.

03692795 Supplier Number: 45225247  
**Ameritech unveils Web server tool**  
PC Week, p42  
Dec 26, 1994  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:  
...managers to create a catalog to aid users in navigating through a site's WorldWide **Web** server. Available in 3 /95, NetPublisher automatically **formats text** and catalogs **multimedia** objects, such as audio, video, and **combinations**. IS managers can also customize their layouts and edit NetPublisher documents with other Hypertext Markup...

20/3,K/14 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2002 ProQuest. All rts. reserv.

03746178 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Talking about Multimedia: a layered design framework**  
Taylor, Josie; Sumner, Tamara; Law, Andrew  
Journal of Educational Media (JEDM), v23 n2/3, p215-241, p.27  
Oct 1997  
ISSN: 1358-1651 JOURNAL CODE: JEDM  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 10954

TEXT:  
... educational multimedia", most users, multimedia designers, and educators' would agree that these examples represent very **different types** of applications. However, most people would probably have a difficult time' cogently explaining why they...



Internet browsers.' ' (Part Omitted)' ' Captioned as: ' FIG. 7.' ' Other factors also influence the choice of programming...

...for quickly prototyping our ideas for new systems because it provides built-in support for **many** media **types** and' because our technical expert is very familiar with it. However, the resulti' systems have...multimedia systems, the challenge is to design an interesting' and educative system that works well **within** the constraints of the typical' user's hardware platform. Thus, a crucial early step in...

...and creators to g' experience in multimedia system development. Thus in its original conceptio' fitting **within** the constraints of student home platforms was not a large' issue. However, in order to...

...Second' unlike a general purpose programming language, Director has many high-level' features for manipulating **different** media **types** , such as the **many** video cli' which play a central role in the Pilot's stunning presentation. Finally,' Director...

...system on their hard disk. For the same reason, altern' delivery platforms such as the **Internet** would not be practical because of t' sheer volume of media resources that would have...

...3 (educational aims, teaching' strategies, and task semantics) may or may not actually be present **within** t' multimedia system. True multimediaricity often breaks out of the electronic' domain to encompass ancillary...

...wo' be able to successfully use it at home. The simplicity of the package was' **integral** for establishing and maintaining the student's confidence with' computer-based learning materials.' ' Observers credit...

...population, who are new to' academic study and to computers. Thus, there is a good **match** between level ' devices (narrative) and level 1 aims (target population needs).' ' Finding 2: educational value...multimedia systems have enjoyed' themselves, or had a rewarding time. The experience must be contextualised' **within** the course they are following. If these vital contextual cues are no' **embedded** in the system, they must then be provided in some other way.' ' Acknowledgements' ' This report...study of ar' learning and material. Journal of Interactive Media in Education, 96(1),' [http:// www -jime.open.ac.uk/jime/Olljime-01.html](http://www-jime.open.ac.uk/jime/Olljime-01.html).' ' Reference:' ' FISCHER, G. (1994a) Domain-oriented...

...L., TAYLOR, J. & STRATFOLD, M. (1996-1998) MENO project' (Multimedia, Education and Narrative Organisation),' [http:// www -iet.open.ac.uk/iet/MENO/ meno-home.html](http://www-iet.open.ac.uk/iet/MENO/meno-home.html).' ' Reference:' ' I.AvE, J. (1991) Situated...

...Byte, pp. 258-277. NAKAKOJI, K. & FISCHER, G. (1990)' Catalog explorer: exploiting the synergy of **integrated** design' ' environments. Software Symposium '90 (Kyoto, Japan), pp. 264-271. NORMAN, D' (1986) User Centered ...

...1995) Share globally, adapt locally:' software assistance to locate and tailor curriculum posted to the **internet** .' Computers in Education, 24, pp. 237-246. SUMNER, T. & STOLZE, M. (1996)' Integrating working and...

20/3,K/15 (Item 2 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2002 ProQuest. All rts. reserv.

03376736 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Facilitating knowledge management and knowledge sharing: New opportunities for information professionals**

Marshall, Lucy

Online (ONL), v21 n5, p92-98, p.6

Sep 1997

ISSN: 0146-5422 JOURNAL CODE: ONL

DOCUMENT TYPE: Feature

LANGUAGE: English  
WORD COUNT: 2781

RECORD TYPE: Fulltext; Abstract

TEXT:

... for the dissemination of information throughout the organization. They offer quick and easy access to **internal** information irrespective of file format or media **type** ( **video** , **audio** , **text** , 3 -D). Information is accessible using a standard **web** browser from the desktop without regard to platform (PC, Macintosh, or workstation), geographic location, or ...

20/3,K/16 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1014398 SFTU043  
**Microsoft Announces Beta of Internet Information Server 3.0**

DATE: October 29, 1996 09:01 EST WORD COUNT: 913

...NT Server 4.0, 75 percent of them plan on using IIS.

Enhancements in IIS 3 .0

Previous **versions** of Microsoft **Internet** Information Server established a reputation for speed, ease of operation, and unparalleled integration with Windows...

...new features:

Active Server Pages. Formerly code-named "Denali," Active Server Pages allows organizations to **combine** HTML, scripts and components to rapidly build powerful **Web** -based applications. Active Server Pages includes support for Visual Basic(R), Scripting Edition and JScript...

...Perl, Rexx and Python or other CGI-based languages. Additional built-in functionality includes easy **Web** access to enterprise-quality databases such as Microsoft SQL Server(TM) from the **Web** with wizards, browser capability detection, content navigation and application state management components.

Microsoft NetShow. NetShow provides an open software platform for delivering live and on-demand multimedia content over the **Internet** and corporate intranets. It provides live multicasting of audio and data, and on-demand streaming of stored audio, video and "illustrated audio" (audio **synchronized** with images, URLs and **scripts** ) **multimedia** content. It includes highly efficient "streaming media" engines that scale to thousands of users.

In addition, NetShow supports the ActiveMovie(TM) Streaming Format, which provides advanced multimedia authoring and **synchronization** .

Microsoft Index Server 1.1. Microsoft Index Server 1.1 is a built-in search...

...or text documents. The index is dynamically updated when documents change, and security is tightly **integrated** with Windows NT.

FrontPage(TM) 97 Server. The FrontPage 97 **Web** authoring and management tool server extensions offer one-button publishing and graphical site management tools to keep information organized. It is also fully **integrated** with FrontPage 97 for the desktop.

Java(TM) VM (virtual machine). Java VM is included...

20/3,K/17 (Item 1 from file: 370)

DIALOG(R) File 370:Science

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00501050 (USE 9 FOR FULLTEXT)

**Information Retrieval in Digital Libraries: Bringing Search to the Net**

Schatz, Bruce R.

The author is the Director of the Digital Library Research Program in the University Library and the Research Scientist for digital libraries and information systems at the National Center for Supercomputing Applications, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, Urbana, IL 61801 USA. E-mail: schatz@uiuc.edu, <http://csl.ncsa.uiuc.edu>

Science Vol. 275 5298 pp. 327

Publication Date: 1-17-1997 (970117) Publication Year: 1997

Document Type: Journal ISSN: 0036-8075

Language: English

Section Heading: Special Articles

Word Count: 6535

(THIS IS THE FULLTEXT)

...Text: the research workstations of the 1980s turned into the personal computers of the 1990s and **Internet** access became widespread, the research systems of the 1980s based on full-text technology became the **Internet** services of the 1990s. Thus, full- **text** search coupled with **multimedia** browsing is today available to average scientists for their everyday needs...

...The increased speed across the network meant that multiple sources could be searched **within** a single query while still maintaining effective user interaction for the return of results. Multiple...

... **More** profoundly, a **different** style of interaction became possible with the increased speeds. Rather than search, where a detailed query...

...The style of multimedia browsing **combined** with distributed search is the main theme of **Internet** information services today. Its historical antecedents are in the research systems of the previous decade...

...a research prototype designed and built by Schatz at Bellcore in the mid-1980s (B20) . **Within** the then-small community of **Internet** insiders, Telesophy was regarded as the forerunner of the future Net of worldwide information spaces...transparent network information retrieval. The user did not have to know about different interfaces for **different** document **types** because uniform commands were supported on all objects, and the user did not have to...

...The search used a full-text **matching** scheme similar to that of the existing online bibliographic systems. The distributed model, however, enabled...

...summaries, which could be zoomed into, to display the full object for selected items. Component- **style** **type** switching enabled **different** displayers to be invoked for different objects. Thus, **different** media **types** -such as **text** , image, graphics, and **video** -could all be displayed as appropriate for that type. The speed of the network and...

...time, notably NLS (B24) and the SDMS (B25) . All items in all sources were contained **within** a single logical information space, which consisted of interlinked information units. An information unit was...

...multimedia items from distributed sources (Fig. 2). A demonstration would include searching across sources of **different** **types** , saving a selection of retrieved information into a knowledge region, and then retrieving the selected...distributed servers for the indexes and for the objects (information units), which could be arbitrarily **combined** . Thus,

an object could be in multiple indexes and an index could reference multiple sources...

...automatically imported so that it could be searched. Careful optimization of the caching and other **internal** features of the prototype enabled the speed to approximate that of a physical library across...

20/3,K/18 (Item 1 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2002 IDG Communications. All rts. reserv.

049793

**Oracle to unwrap Universal Database**

Byline: Barb Cole

Journal: Network World Page Number: 6

Publication Date: February 12, 1996

Word Count: 536 Line Count: 51

Text:

...is poised to deliver what it is calling a Universal Database - a hybrid server that **combines** its flagship database with support for **multiple** data **types** as well as built-in capabilities for managing distributed databases and **Web** servers. While the Universal Database name is new, Oracle over the past year has talked...

... on-line transaction processing applications. It also has optional add-ons that provide support for **text**, spatial data and **video**, and comes bundled with **Web** server software. Oracle is billing the Universal Database as being capable of managing not only...

... diverse data types found on corporate nets, but also those out on the World-Wide **Web**. Several pieces of the Universal Database, such as the **text** management and **video** server components, were available individually from Oracle. They now will be made available across all...

... via a single query. Analysts said this integration is important because in attacking the growing **Web** application market, Oracle needed to provide a way for developers to build applications that access a diverse range of data. The breadth of data support and the **integrated Web** software in Universal Database will enable users to build more dynamic **Web** pages that incorporate both data and video, said Mark Jarvis, vice president of server marketing at...

...map," Jarvis said. Analysts said universal servers will be the basis of the multimedia and **Web**-based applications of tomorrow, but they questioned whether these servers can deliver adequate performance. "The...

20/3,K/19 (Item 2 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

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049343

**Informix readies multimedia, Web splash**

**Company to combine its core database with technology from recently acquired Illustra.**

Byline: Barb Cole

Journal: Network World Page Number: 6

Publication Date: January 22, 1996

Word Count: 567 Line Count: 54

Text:

... will extend its mainstream database to handle multimedia data and content from the World-Wide **Web**. On Feb. 6, Informix will announce the Informix-Universal Server, which **combines** its existing database with technology it acquired last month from Illustra Information Technologies, Inc. Informix...

...a server-based DataBlade API to be developed by Informix, which will let developers store **video**, images, **text** and other data types **within** Universal Server. The API will interface with Illustra's DataBlade software modules, which currently reside...

... also is expected to extend the parallel processing capabilities of the Informix server to the **sometimes** sluggish complex data **types**. Analysts said that if the company can successfully integrate its database with Illustra's server...

...chance to gain ground on rival Oracle Corp., which currently sells about twice as much **client / server** database software as Informix. ``Without Illustra's technology, Informix was probably behind Oracle (in developing ...

... of the ``Monash Software Letter.'' ``Now Informix has the early lead.'' The ability to support **text**, **video** and images is seen as key to managing the diverse contents of the **Web**. Oracle has promised to deliver such support but has been stingy on details. Meanwhile, Sybase...

... support nontraditional data types, sources said. Informix customers using the company's database to manage **Web** content applauded the plan. ``Most of the data we're dealing with now is text...

... the Informix engine) will be good for us,'' said Bill Rollinson, vice president of the **Internet** Shopping Network in Palo Alto, Calif. While Universal Server is the focus of next month...

...its NewEra development tool, company officials said. On the tools front, Informix will delay shipping **Version 3 .0** of its NewEra application tool until the second quarter. The software, a 32-bit...

20/3,K/20 (Item 3 from file: 674)  
DIALOG(R)File 674:Computer News Fulltext  
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044307

#### DATA DELIVERY

##### Buyers's Guide

**DBMS vendors boost power at high end, work on slimmed-down products for low end, and deliver on mid-range promises for replication and new data types.**

Byline: Colin White

Journal: Network World Page Number: 39

Publication Date: May 15, 1995

Word Count: 2763 Line Count: 258

#### Text:

... to use locally stored data and tap into larger enterprise servers without worrying about data **synchronization**. There has been less activity in the middle ground of the market. Vendors there are...

... Support for new data types makes it possible for DBMS servers to store complex images, **text**, maps, **audio** and **video**, along with simple numbers and character strings, on servers across the enterprise. The three variables...

... external storage, however. Complex queries will involve such activities as accessing data from multiple tables, **joining** that data together and sorting it. The more these operational tasks can be done in...the server, there are other DBMS tools that can improve the network performance of enterprise **client / server** applications. Passing SQL statements created on clients across the network to servers can give unacceptable...

... is to use application middleware, such as remote procedure calls or message-oriented middleware. This **type** of middleware provides **more** application flexibility for handling processing across multiple servers and has the benefit of being DBMS...

... be looking at departmental servers that haven't changed much over the

last year. Most **client / server** applications deployed to date will work well with departmental DBMS servers. Departmental applications typically employ...

... The new version is just entering production release and includes enhancements that significantly improve its **client / server** capabilities. IBM also will be coming out with a version of DB2 for Windows NT...separate data warehousing system that anchors the decision-support system. This allows data to be **integrated** from multiple sources and makes it much easier for users to access and analyze data...

... CA announced CA-Open-Ingres/Desktop, which incorporates technology licensed from Gupta Corp. IBM will **join** the fray in the middle of this year when it releases a desktop version of...

... database products. He can be reached via phone at (408) 779-0436 or via the **Internet** at 6586740@mcimail.com.

**20/3,K/21 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01158418 98-07813

**CoNDUIT starts to pay off**

Aronson, Robert B

Manufacturing Engineering v116n2 PP: 81-84 Feb 1996

ISSN: 0361-0853 JRNL CODE: MFE

WORD COUNT: 1293

...TEXT: equipment.

Multimedia: CoNDUIT considers multimedia a valuable emerging tool for workforce training. PC-based and **Internet - integrated** multimedia courses offer a number of benefits by **combining text**, pictures, **video** and sound, in a highly visual learning mode. This type of training is well suited to adults because it can handle **various learning styles**. Windows-based multimedia is **embedded** in many CoNDUIT pilot sources and a curriculum is under development for instruction at the...

**20/3,K/22 (Item 2 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01118282 97-67676

**The Internet inside your company**

Sprout, Alison L

Fortune v132n11 PP: 161-168; European 81-84 Nov 27, 1995

ISSN: 0015-8259 JRNL CODE: FOR

WORD COUNT: 2116

...ABSTRACT: are catching on at places like US West, Turner Broadcasting, and Morgan Stanley. Surfing an **internal corporate web**, employees use hypertext links to search for and access **text**, graphics, **audio**, or **video**, all organized into colorful home pages. Webs allow employees to call up internal data such...

**20/3,K/23 (Item 1 from file: 9)**

DIALOG(R)File 9:Business & Industry(R)

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01896920 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Xing Releases StreamWorks 3.0 Video Delivery Software**

(Xing Technology Inc has announced version 3 of its StreamWorks MPEG

(Motion Picture Experts Group) based audio/video delivery software; new version optimized for enterprise networks and remote video-serving

markets like distance education and corporate training)  
Newsbytes News Network, p N/A  
July 24, 1997  
DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 464

ABSTRACT:

...uses the MPEG-1 standard in order to scale to enterprise network bit rates of **integrated** services digital network (ISDN) -- 128 kilobits-per-second (Kbps) and above. Transferring data at that rate is too much for other proprietary **Web**-specific "solutions" or even higher-end MPEG-2 applications. StreamWorks 3.0 draws extra power...

...an enterprise tool, the new system is too data-rich to be useful on the **Internet**, at least as it now exists. Xing predicted new technologies will hike many enterprise data pipelines to between 128Kbps and 2.0 megabits-per-second (Mbps) **within** 18 months, which would make StreamWorks 3.0 more broadly useful to enterprises. Xing cited...

...of this new wider-pipeline technology. "The ability to access higher data rates on the **Internet** will allow MPEG-1 video to emerge as a dominant **Internet** standard," claimed the firm, adding: "Only MPEG-1 is a good **match** with ADSL technology." Meanwhile, until the standard Corporate **Internet** pipeline gets larger, Xing says many intranets have more than enough data transfer capacity to...

...feeds streamed for time and place-independent viewing, said the firm. Another application might be **multicast** or unicast transmissions over Transmission Control Protocol/ **Internet** Protocol (TCP/IP) networks. On the client side, Xing said its StreamWorks Player acts as a helper application for "all major **Web** browsers." Like the XinzMPEG player, StreamWorks 3.0 player takes advantage of hardware video acceleration and DirectX technology to provide high quality audio and **video** playback. The firm **noted** that, while high data rates can enable full screen, broadcast-quality streaming of a sort...

...applications like corporate briefings and on-demand training, StreamWorks 3.0 can scale down to **Internet** ISDN data rates (128Kbps) when needed. Those were the rates used by Xing customers to...

20/3,K/24 (Item 1 from file: 13)  
DIALOG(R)File 13:BAMP  
(c) 2002 Resp. DB Svcs. All rts. reserv.

01026746 00815245 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Safe And Secure Electronic Commerce**

(The absence of security and a lack of reliability are the two main factors holding back the wide use of the Internet, for business-to-business transactions)

Article Author(s): Drummond, Rik  
Network Computing, v 7, n 19, p 116-121  
December 01, 1996  
DOCUMENT TYPE: Journal ISSN: 1046-4468 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2714

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...reads as follows:

Row 1: Standard  
Row 2: Designation  
Row 3: Description

MIME

RFC1521

This **Internet** standard specifies how to store **multiple** **types**

of information with the same file. It supports binary, text ,  
audio , video and other formats.

SMTP

RFC822

This is the **Internet** standard for Internet Mail.

Reports

RFC1891-1894

This specifies how to perform notification of delivery.



Set	Items	Description
S1	629104	AUDIO OR VIDEO? OR MULTIMEDIA? OR (STREAMING OR MULTI)()MEDIA? OR ANIMATION? OR MPG OR MPEG? OR AVI OR WAV OR WAVS OR AVIS OR REALVIDEO? OR REALAUDIO? OR REALMEDIA?
S2	1371962	ANNOTAT? OR NOTE? OR GLOSS? OR COMMENT? OR TEXT OR SCRIPT? OR SUBTITL? OR MARGINALIA OR SUB()TITLE?
S3	11264641	FORMAT? OR TYPE? OR STYLE? OR SPEED? OR VERSION? OR RESOLUTION? OR RATE?
S4	1188851	S3(3N) (MULTIPL? OR SEVERAL? OR VARIOUS? OR MANY OR MORE OR PLURAL? OR DIFFERENT? OR SOME? OR 3 OR THREE)
S5	5013411	EMBED? OR INSERT? OR INTEGRAL? OR WITHIN OR INTERNAL? OR INTEGRATED
S6	4138145	SYNC OR SYNCHRON? OR MATCH? OR ALIGN? OR JOIN? OR COMBIN?
S7	519332	CLIENT(2N)SERV? OR WEB OR WORLDWIDWEB OR WEBCAST OR MULTICAST OR WWW OR INTERNET OR INTRANET OR WEBSITE? OR WEBPAGE? OR WEB() (SITE? OR PAGE?)
S8	167	S1(5N)S2 AND S4 AND S7
S9	62	(S5 OR S6) AND S8
S10	31	S9 NOT PY>1998
S11	29	S10 NOT PD=19980915:20000915
S12	29	S11 NOT PD=20000915:20010915
S13	29	S12 NOT PD=20010915:20021215
S14	42129	S2(3N) (SINGLE? OR UNIQUE? OR SHARED? OR INDIVIDUAL? OR SOL-E? OR ONLY? OR ONE OR 1)
S15	4	S9 AND S14
S16	2	S15 NOT S13
S17	2	RD (unique items)
S18	0	S17 NOT PY>1998
File	8: Ei	Compendex(R) 1970-2002/Dec W1 (c) 2002 Elsevier Eng. Info. Inc.
File	35: Dissertation	Abs Online 1861-2002/Nov (c) 2002 ProQuest Info&Learning
File	65: Inside	Conferences 1993-2002/Dec W2 (c) 2002 BLDSC all rts. reserv.
File	2: INSPEC	1969-2002/Dec W2 (c) 2002 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2002/Oct W1 (c) 2002 Japan Science and Tech Corp(JST)
File	111: TGG Natl.	Newspaper Index(SM) 1979-2002/Dec 05 (c) 2002 The Gale Group
File	233: Internet & Personal	Comp. Abs. 1981-2002/Nov (c) 2002 Info. Today Inc.
File	6: NTIS	1964-2002/Dec W2 (c) 2002 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2002/Dec W2 (c) 2002 INIST/CNRS
File	434: SciSearch(R)	Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R)	Cited Ref Sci 1990-2002/Dec W2 (c) 2002 Inst for Sci Info
File	99: Wilson Appl.	Sci & Tech Abs 1983-2002/Oct (c) 2002 The HW Wilson Co.
File	95: TEME-Technology & Management	1989-2002/Dec W1 (c) 2002 FIZ TECHNIK

Set	Items	Description
S1	843	AU=(GUPTA A? OR GUPTA, A?)
S2	6	AU=(BARGERON D? OR BARGERON, D?)
S3	6	S1 AND S2
S4	313	(S1 OR S2) AND IC=(G06F? OR H04L?)
S5	82	(S1 OR S2) AND (VIDEO? OR MULTIMEDIA? OR PRESENTATION? OR MULTI()MEDIA? OR AUDIO? OR MUSIC? OR MOVIE?)
S6	65	S4 AND S5
S7	38	S6 AND (COMMENT? OR ANNOTAT? OR GLOSS? OR TEXT? OR SIDENOT- E? OR NOTATION?)
S8	38	IDPAT (sorted in duplicate/non-duplicate order)
S9	35	IDPAT (primary/non-duplicate records only)
File 344:Chinese Patents Abs Aug 1985-2002/Nov (c) 2002 European Patent Office		
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203) (c) 2002 JPO & JAPIO		
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200279 (c) 2002 Thomson Derwent		
File 348:EUROPEAN PATENTS 1978-2002/Dec W01 (c) 2002 European Patent Office		
File 349:PCT FULLTEXT 1979-2002/UB=20021205,UT=20021128 (c) 2002 WIPO/Univentio		

9/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2002 Thomson Derwent. All rts. reserv.

014725914 \*\*Image available\*\*  
WPI Acc No: 2002-546618/200258  
Related WPI Acc No: 2001-356062; 2001-389906; 2002-339172; 2002-339185  
XRPX Acc No: N02-432668

**Content delivery method for global traffic management network, involves directing client requests for hosted customer content to appropriate caching server**

Patent Assignee: DAY R D (DAYR-I); GUPTA A K (GUPT-I); SWILDENS E S (SWIL-I)

Inventor: DAY R D; **GUPTA A K** ; SWILDENS E S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020052942	A1	20020502	US 2000219166	A	20000719	200258 B
			US 2000219172	A	20000719	
			US 2000219177	A	20000719	
			US 2000219946	A	20000719	
			US 2000641746	A	20000818	
			US 2001909651	A	20010719	

Priority Applications (No Type Date): US 2001909651 A 20010719; US 2000219166 P 20000719; US 2000219172 P 20000719; US 2000219177 P 20000719 ; US 2000219946 P 20000719; US 2000641746 A 20000818

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020052942	A1		46	G06F-015/173	Provisional application US 2000219166

Provisional application US 2000219172  
Provisional application US 2000219177  
Provisional application US 2000219946  
CIP of application US 2000641746

Abstract (Basic): US 20020052942 A1

NOVELTY - Customer content including images, **video** , **text** and/or software are hosted by caching servers in response to request output by clients. A traffic management unit directs client requests for hosted customer content to the appropriate caching server.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for program storage medium storing content delivery program.

USE - For managing traffic across world wide area network.

ADVANTAGE - Provides efficiently distributed network traffic to content servers by load balancing requests among servers and provides cached content for faster response time.

DESCRIPTION OF DRAWING(S) - The figure shows block schematic diagram showing the interaction between software components of content delivery and global traffic management network.

pp; 46 DwgNo 9/11

Title Terms: CONTENT; DELIVER; METHOD; GLOBE; TRAFFIC; MANAGEMENT; NETWORK; DIRECT; CLIENT; REQUEST; CUSTOMER; CONTENT; APPROPRIATE; SERVE

Derwent Class: T01; W01

International Patent Class (Main): **G06F-015/173**

International Patent Class (Additional): **G06F-015/16**

File Segment: EPI

9/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014668753 \*\*Image available\*\*  
WPI Acc No: 2002-489457/200252  
XRPX Acc No: N02-386959

**Multimedia document displaying method in computer network, involves**

**incorporating display of temporal annotations in display of multimedia document**

Patent Assignee: CANNON A W (CANN-I); GUPTA A (GUPT-I)

Inventor: CANNON A W; **GUPTA A**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020059342	A1	20020516	US 97956871	A	19971023	200252 B

Priority Applications (No Type Date): US 97956871 A 19971023

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020059342	A1	29	G06F-015/00	

Abstract (Basic): US 20020059342 A1

NOVELTY - The temporal **annotations** associated with a **multimedia** document retrieved from a computer system are determined and retrieved. The display of **annotations** is incorporated in the display of the **multimedia** document.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Temporal **annotation** display incorporation method;
- (2) Temporal **annotation** management method; and
- (3) Recorded medium storing **multimedia** document display program;
- (4) Recorded medium storing temporal **annotation** management program;
- (5) Computer system; and
- (6) Recorded medium storing temporal **annotation** display incorporation program.

USE - For displaying **multimedia** document stored in computer system connected to computer network, for news broadcast.

ADVANTAGE - The user is enabled to select desired **annotations** and to add selected **annotations** to the document.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a computer network.

pp; 29 DwgNo 1A/11

Title Terms: DOCUMENT; DISPLAY; METHOD; COMPUTER; NETWORK; INCORPORATE; DISPLAY; TEMPORAL; DISPLAY; DOCUMENT

Derwent Class: T01

International Patent Class (Main): **G06F-015/00**

File Segment: EPI

**9/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013145382 \*\*Image available\*\*

WPI Acc No: 2000-317254/200027

Related WPI Acc No: 2000-271697

XRPX Acc No: N00-238159

**Computer program for interactive playlist generation using annotations in client-server system**

Patent Assignee: MICROSOFT CORP (MICT ); BARGERON D M (BARG-I); GUPTA A (GUPT-I)

Inventor: **BARGERON D M ; GUPTA A**

Number of Countries: 089 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200016221	A1	20000323	WO 99US21391	A	19990915	200027 B
AU 9959264	A	20000403	AU 9959264	A	19990915	200034
US 20010042098	A1	20011115	US 98100452	A	19980915	200172
			US 99396701	A	19990915	

Priority Applications (No Type Date): US 98100452 P 19980915; US 99396701 A 19990915

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200016221 A1 E 56 G06F-017/30

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9959264 A G06F-017/30 Based on patent WO 200016221

US 20010042098 A1 G06F-015/16 Provisional application US 98100452

Abstract (Basic): WO 200016221 A1

NOVELTY - The computer program involves creating **annotations** interactively by a user, wherein the **annotations** correspond to identified segments of one or more media streams. The **annotations** are graphically arranged in the desired order of **presentation** in response to a user input. The **annotations** are presented along with their corresponding identified media stream segments in the desired order of **presentation**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) an interactive playlist generation method;
- (b) an interactive playlist generation system;
- (c) and a computer-readable memory.

USE - For interactive playlist generation using **annotations** in client-server system.

ADVANTAGE - Enables changing ordering **annotation** title or summary by moving title or summary in a drag and drop manner. Enables **annotation** of additional **multimedia** streams corresponding to media segments of the playlist, in the same manner as other **multimedia** streams.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram of the client-server network system and network environment.

pp; 56 DwgNo 1/11

Title Terms: COMPUTER; PROGRAM; INTERACT; GENERATE; CLIENT; SERVE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-015/16 ; G06F-017/30

International Patent Class (Additional): G06F-017/24

File Segment: EPI

9/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013099825 \*\*Image available\*\*

WPI Acc No: 2000-271697/200023

Related WPI Acc No: 2000-317254

XRPX Acc No: N00-203437

Annotation **creation and notification system** for multimedia presentation , includes server which sends E-mail including annotations to user who in exposure add new annotations

Patent Assignee: MICROSOFT CORP (MICT )

Inventor: BARGERON D M ; GUPTA A

Number of Countries: 086 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200016541	A1	20000323	WO 99US21344	A	19990915	200023 B
AU 9959260	A	20000403	AU 9959260	A	19990915	200034

Priority Applications (No Type Date): US 98100452 P 19980915

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200016541 A1 E 61 H04M-003/533

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

Abstract (Basic): WO 200016541 A1

NOVELTY - In server coupled to client, an **annotation** database is maintained, corresponding to **multimedia** content. An E-mail message including **annotations** are sent to users identified by client. Based on received message, new **annotations** are generated and added to the database.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) **annotation** creation and notification procedure;
- (b) **annotation** creation and notification program

USE - For **multimedia presentations** in networked client/server system.

ADVANTAGE - Additional **annotations** can be created by users and added to existing database.

DESCRIPTION OF DRAWING(S) - The figure shows the client/server network system.

pp; 61 DwgNo 1/13

Title Terms: CREATION; NOTIFICATION; SYSTEM; PRESENT; SERVE; SEND; MAIL; USER; EXPOSE; ADD; NEW

Derwent Class: T01; W01

International Patent Class (Main): H04M-003/533

International Patent Class (Additional): **G06F-017/60**

File Segment: EPI

9/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012933357 \*\*Image available\*\*

WPI Acc No: 2000-105204/200009

Related WPI Acc No: 1998-437813; 1998-437832; 2001-450036

XRPX Acc No: N00-080831

**Synchronization script generation method of annotated multimedia streams over discrete computer network, client-server network**

Patent Assignee: MICROSOFT CORP (MICT )

Inventor: CHADDHA N; DEL VAL D; **GUPTA A** ; PURNAVEJA A; VELLANKI S P; WANG E Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6006241	A	19991221	US 97818804	A	19970314	200009 B

Priority Applications (No Type Date): US 97818804 A 19970314

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6006241	A	23	G06F-017/00	

Abstract (Basic): US 6006241 A

NOVELTY - An **annotation** stream is generated for inclusion in synchronization script. Each **annotation** frame has an event locator and event time marker. The event time markers correspond to respective time stamps of a selected subset of **video** frames with which the **annotation** frames are associated.

DETAILED DESCRIPTION - Each event locator includes a URL address pointing to HTML page. A second set of **annotation** frames includes corresponding displayable events. INDEPENDENT CLAIMS are also included for the following:

- (a) producer for generating synchronization script;
- (b) program for generating synchronization script

USE - In **multimedia** communication over discrete computer network, client-server network including LAN, WAN such as internet.

ADVANTAGE - Provides client computer with **video** and **audio** streams together with **textual** and graphical information offered as integrated seamless package. Utilizes network resources efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of hardware environment for implementing the **annotated multimedia** streams synchronous delivery method.

pp; 23 DwgNo 2/11

Title Terms: SCRIPT; GENERATE; METHOD; STREAM; DISCRETE; COMPUTER; NETWORK; CLIENT; SERVE; NETWORK

Derwent Class: T01

International Patent Class (Main): **G06F-017/00**

International Patent Class (Additional): **G06F-015/00**

File Segment: EPI

9/5/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01423923

**Validation and audit of e-media delivery**

**Gultigkeitserklärung und Überprüfung der Verteilung von elektronischen Medien**

**Validation et verification de la distribution de media electronique**

PATENT ASSIGNEE:

Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Applicant designated States: all)

INVENTOR:

Van Zee, Pieter J., 1149 NW Alder Creek Drive, Corvallis, OR 97330, (US)

**Gupta, Alope** , 3630 NW Twinberry Place, Corvallis, OR 97330, (US)

Miller, Robert M., 4832 NW Bruno Place, Corvallis, OR 97330, (US)

LEGAL REPRESENTATIVE:

Jackson, Richard Eric et al (62281), Carpmiels & Ransford, 43 Bloomsbury Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 1202202 A2 020502 (Basic)

APPLICATION (CC, No, Date): EP 2001308825 011017;

PRIORITY (CC, No, Date): US 694542 001023

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-017/60**

ABSTRACT EP 1202202 A2

The present invention provides a method, a computer-readable medium and a digital content delivery service system for sending and validating/auditing delivery of e-media. The method includes the steps of: obtaining/receiving (102) e-media of a sender/user wherein the sender/user has indicated a requested type of delivery of the e-media to a client/receiving party, wherein the client is a software application; accessing (104) an account of the sender/user to obtain sender/user information; sending (106) the e-media to the client/receiving party; and receiving (108) a validation/audit of the requested type of delivery upon receipt/consumption of the e-media by the client/receiving party.

ABSTRACT WORD COUNT: 99

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020502 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200218	1270
SPEC A	(English)	200218	4660
Total word count - document A			5930
Total word count - document B			0
Total word count - documents A + B			5930

9/5/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

01335294

**A system and related methods for tracking and managing content distribution  
System und verwandte Verfahren zum Verfolgen und Verwalten der Auslieferung  
von Inhalten**

**Systeme et methodes associees pour suivre et controler la distribution de  
contenu**

**PATENT ASSIGNEE:**

Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA  
94304, (US), (Applicant designated States: all)

**INVENTOR:**

Smith, Donald X, II, 2990 NW Acacia Place, Corvallis, OR 97330, (US)

Gupta, Alope, 3630 NW Twinberry Place, Corvallis, OR 97330, (US)

**LEGAL REPRESENTATIVE:**

Jackson, Richard Eric et al (62281), Carpmiels & Ransford, 43 Bloomsbury  
Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 1139258 A1 011004 (Basic)

APPLICATION (CC, No, Date): EP 2001302430 010315;

PRIORITY (CC, No, Date): US 539303 000330

DESIGNATED STATES: DE; FR; GB; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

**ABSTRACT EP 1139258 A1**

A document delivery system (10) includes a data store (120) of received content objects and a virtual editor (506) to dynamically generate a personalized publication for requesting users. The virtual editor (506) selectively retrieves one or more of the received content objects to construct a personalized publication for a requesting user based, at least in part, on an accessed personal profile (602) associated with the requesting user. The virtual editor distributes select content to the requesting user (15000), and accounts to the content providers (50, 80) based, at least in part, on information received from virtual sensors (35000).

ABSTRACT WORD COUNT: 99

**NOTE:**

Figure number on first page: 1

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 011004 A1 Published application with search report

Examination: 020522 A1 Date of request for examination: 20020311

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200140	639
SPEC A	(English)	200140	10450
Total word count - document A			11089
Total word count - document B			0
Total word count - documents A + B			11089

9/5/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00585494

**METHOD AND APPARATUS FOR ASYNCHRONOUS TRANSFER MODE (ATM) NETWORK**

**VORRICHTUNG UND VERFAHREN FUR EIN ASYNCHRONES UBERTRAGUNGSNETZ (ATM)**

**PROCEDE ET APPAREIL DESTINES A UN RESEAU A MODE DE TRANSFERT ASYNCHRONE  
(MTA)**

**PATENT ASSIGNEE:**

NETWORK EQUIPMENT TECHNOLOGIES, INC., (1113290), 800 Saginaw Drive,  
Redwood City, CA 94063, (US), (Proprietor designated states: all)

**INVENTOR:**

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SINGH, Gururaj, 3039 Remington Way, San Jose, CA 95148, (US)

GLOVER, Willie, T., 3187 Ravenswood Way, San Jose, CA 95148, (US)



GUPTA, Amar , 18460 Framingham Way, Cupertino, CA 95014, (US)  
BUCKLEY, Clifford, James, 1178 Creekwood Drive, San Jose, CA 95148, (US)  
LEGAL REPRESENTATIVE:

Crawford, Andrew Birkby et al (29761), A.A. Thornton & Co. 235 High  
Holborn, London WC1V 7LE, (GB)

PATENT (CC, No, Kind, Date): EP 604538 A1 940706 (Basic)  
EP 604538 A1 951206  
EP 604538 B1 991222  
WO 9305596 930318

APPLICATION (CC, No, Date): EP 92920157 920909; WO 92US7608 920909

PRIORITY (CC, No, Date): US 756463 910909; US 866317 920409

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; SE

INTERNATIONAL PATENT CLASS: H04J-003/22; H04J-003/26; **H04L-012/56** ;  
H04Q-011/04

CITED PATENTS (EP B): US 5029164 A; US 5115429 A; US 5119372 A; US 5130978  
A; US 5136584 A

CITED REFERENCES (EP B):

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USA, pages 390-397, COMER D E ET AL 'A rate-based congestion avoidance  
and control scheme for packet switched networks';

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 001025 B1 Date of lapse of European Patent in a  
contracting state (Country, date): BE  
19991222,  
Application: 940706 A1 Published application (A1with Search Report  
;A2without Search Report)  
Lapse: 020619 B1 Date of lapse of European Patent in a  
contracting state (Country, date): AT  
19991222, BE 19991222, CH 19991222, LI  
19991222, ES 19991222, IE 20000911, SE  
19991222,  
Lapse: 011212 B1 Date of lapse of European Patent in a  
contracting state (Country, date): AT  
19991222, BE 19991222, CH 19991222, LI  
19991222, IE 20000911,  
Lapse: 001220 B1 Date of lapse of European Patent in a  
contracting state (Country, date): AT  
19991222, BE 19991222, CH 20000327, LI  
20000327,  
Oppn None: 001206 B1 No opposition filed: 20000923  
Lapse: 001213 B1 Date of lapse of European Patent in a  
contracting state (Country, date): BE  
19991222, CH 20000327, LI 20000327,  
Lapse: 001227 B1 Date of lapse of European Patent in a  
contracting state (Country, date): AT  
19991222, BE 19991222, CH 19991222, LI  
19991222,  
Lapse: 020605 B1 Date of lapse of European Patent in a  
contracting state (Country, date): AT  
19991222, BE 19991222, CH 19991222, LI  
19991222, IE 20000911, SE 19991222,  
Examination: 940706 A1 Date of filing of request for examination:  
940408  
Search Report: 951206 A1 Drawing up of a supplementary European search  
report: 951016  
Change: 951206 A1 Obligatory supplementary classification  
(change)  
Examination: 980520 A1 Date of despatch of first examination report:  
980401  
Grant: 991222 B1 Granted patent  
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	199951	1676
CLAIMS B	(German)	199951	1582
CLAIMS B	(French)	199951	1853
SPEC B	(English)	199951	14200
Total word count - document A			0
Total word count - document B			19311
Total word count - documents A + B			19311

9/5/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00464515

**Cryptography processor and method with optional status encoding**  
**Krypto-Prozessor und Verfahren mit wahlweiser Statuskodierung**  
**Processeur cryptographique et procede avec codage d'etat facultatif**  
**PATENT ASSIGNEE:**

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**LEGAL REPRESENTATIVE:**

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**PATENT (CC, No, Kind, Date):** EP 464565 A2 920108 (Basic)

EP 464565 A3 930526

EP 464565 B1 010307

**APPLICATION (CC, No, Date):** EP 91110389 910624;

**PRIORITY (CC, No, Date):** US 546631 900629; US 546614 900629; US 546632  
 900629

**DESIGNATED STATES:** DE; FR; GB; IT; NL

**RELATED DIVISIONAL NUMBER(S) - PN (AN):**

EP 1024640 (EP 99121483)

**INTERNATIONAL PATENT CLASS:** H04L-029/02 ; H04L-009/00

**CITED PATENTS (EP A):** US 4510594 A; EP 239749 A

**CITED PATENTS (EP B):** EP 239749 A; EP 353927 A; US 4034351 A; US 4510594 A

**CITED REFERENCES (EP A):**

DATA COMMUNICATIONS. vol. 18, no. 10, August 1989, NEW YORK US pages 41 -  
 45 , XP48599 P.R.STRAUSS 'HEADER PREDICTION BOOST PACKET THROUGHPUT'

IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATION. vol. 7, no. 7, September  
 1989, NEW YORK US pages 1043 - 1051 , XP54535 F.E.ROSS 'AN OVERVIEW OF  
 FDDI: THE FIBER DISTRIBUTED DATA INTERFACE';

**CITED REFERENCES (EP B):**

DATA COMMUNICATIONS. vol. 18, no. 10, August 1989, NEW YORK US pages 41 -  
 45 , XP48599 P.R.STRAUSS 'HEADER PREDICTION BOOST PACKET THROUGHPUT'

IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATION. vol. 7, no. 7, September  
 1989, NEW YORK US pages 1043 - 1051 , XP54535 F.E.ROSS 'AN OVERVIEW OF  
 FDDI: THE FIBER DISTRIBUTED DATA INTERFACE';

**ABSTRACT EP 464565 A2**

Cryptographic apparatus, and a related method for its operation, for  
 in-line encryption and decryption of data packets transmitted in a  
 communication network. A full-duplex cryptographic processor is  
 positioned between two in-line processing entities of a network

architecture. For example, in a fiber distributed data interface (FDDI) network, the processor is positioned between a media access control (MAC) (10) sublayer and a ring memory controller (RMC) (12). Incoming information packets are analyzed to decide whether or not they contain encrypted data and, if they do, are subject to decryption before forwarding. Outbound information packets have their data portions encrypted if called for, and are usually forwarded toward the network communication medium. Cryptographic processing in both directions is performed in real time as each packet is streamed through the processor. The processing of outbound information packets includes using optional data paths for looping of the processed information back in a reverse direction, to permit the host system to perform local encryption or decryption for various purposes. (see image in original document)

ABSTRACT WORD COUNT: 169

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant: 010307 B1 Granted patent  
 Application: 920108 A2 Published application (A1with Search Report ;A2without Search Report)  
 Lapse: 020911 B1 Date of lapse of European Patent in a contracting state (Country, date): FR 20010803, GB 20010624,  
 Oppn None: 020227 B1 No opposition filed: 20011208  
 Lapse: 020424 B1 Date of lapse of European Patent in a contracting state (Country, date): FR 20010803,  
 Examination: 920108 A2 Date of filing of request for examination: 910724  
 Search Report: 930526 A3 Separate publication of the European or International search report  
 Examination: 960410 A2 Date of despatch of first examination report: 960221  
 Change: 991222 A2 Application number of divisional application (Article 76) changed: 19991103

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1681
CLAIMS B	(English)	200110	1585
CLAIMS B	(German)	200110	1483
CLAIMS B	(French)	200110	1920
SPEC A	(English)	EPABF1	11896
SPEC B	(English)	200110	12027
Total word count - document A			13577
Total word count - document B			17015
Total word count - documents A + B			30592

9/5/10 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00887103 \*\*Image available\*\*

**DATA SOURCE INTEGRATION SYSTEM AND METHOD**

**SYSTEME ET PROCEDE D'INTEGRATION DE SOURCES DE DONNEES**

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 (For all designated states except: US)

Patent Applicant/Inventor:

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**MARTONE Maryann E**, 8368G Via Sonoma, La Jolla, CA 92037, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200221259 A1 20020314 (WO 0221259)

Application: WO 2001US27653 20010907 (PCT/WO US0127653)

Priority Application: US 2000231094 20000908

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-007/60

International Patent Class: G06F-017/10 ; G06F-101/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 19247

English Abstract

A method and program product for integrating different data sources has steps of obtaining semantic information from each of the different data sources (200, 202, 210), creating a conceptual model of (218, 220, 22) the data source using the semantic information, and accessing one or more secondary knowledge sources. The secondary information sources contain information regarding the relations of data from different of the databases, so that an integrated semantic model of all of the databases (200, 202, 210) may be created. Queries can then be processed using the integrated semantic model.

French Abstract

L'invention concerne un procede et un appareil d'integration de differentes sources de donnees, consistant d'abord a obtenir des informations semantiques a partir de chacune des differentes sources de donnees (200, 202, 210), a creer ensuite un modele conceptuel (218, 220, 22) representant la source de donnees a l'aide des informations semantiques, et enfin, a acceder a une ou plusieurs source(s) de connaissance secondaire(s). Les sources de connaissance secondaires contiennent des informations sur les relations des donnees dans les differentes bases de donnees, qui permettent de creer un modele semantique integre pour l'ensemble des bases de donnees (200, 202, 210). On peut alors traiter les demandes au moyen du modele semantique integre.

Legal Status (Type, Date, Text)

Publication 20020314 A1 With international search report.

Publication 20020314 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20020912 Request for preliminary examination prior to end of 19th month from priority date

9/5/11 (Item 11 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00873780 \*\*Image available\*\*

CONTENT DELIVERY AND GLOBAL TRAFFIC MANAGEMENT ACROSS A NETWORK SYSTEM  
SYSTEME DE RESEAU DE DISTRIBUTION DE CONTENUS ET DE GESTION DE TRAFIC  
MONDIAL

Patent Applicant/Assignee:

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DAY Richard David, 912 Rich Avenue #3, Mountain View, CA 94040, US,

**GUPTA Ajit** , 33635 Quail Run Road, Fremont, CA 94555, US

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200207012 A2-A3 20020124 (WO 0207012)

Application: WO 2001US22977 20010719 (PCT/WO US0122977)

Priority Application: US 2000219172 20000719; US 2000219166 20000719; US 2000219946 20000719; US 2000219177 20000719; US 2000641746 20000818; US 2000644927 20000823

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 20404

English Abstract

A content delivery and global traffic management network system provides a plurality of caching servers connected to a network. The caching servers host customer content that can be cached and stored, and respond to requests for Web content from clients. If the requested content does not exist in memory or on disk, it generates a request to an origin site to obtain the content. A DNS Server (SPD) load balances network requests among customer Web servers and directs client requests for hosted customer content to the appropriate caching server which is selected by choosing the caching server that is closest to the user, is available, and is the least loaded. SPD also supports persistence and returns the same IP addresses, for a given client. The entire Internet address space is broken up into multiple zones. Each zone is assigned to a group of SPD servers. If an SPD server gets a request from a client that is not in the zone assigned to that SPD server, it forwards the request to the SPD server assigned to that zone. Servers write information about the content delivered to log files that are picked up by a log server.

French Abstract

La presente invention concerne un systeme de reseau de distribution de contenus et de gestion de trafic mondial, comportant une pluralite de serveurs d'antememorisation connectes au reseau. Ces serveurs hebergent le contenu du client hote qui peut etre mis en antememoire et stocke, et repondent aux demandes de contenus Web emanant des clients. Si le contenu demande n'existe pas dans la memoire ou le disque, une demande est etablie a l'intention du site d'origine pour obtenir ce contenu. Un serveur DNS (SPD) soumet les demandes de reseau a un equilibrage de charge dans les serveurs Web clients, et oriente les demandes des clients pour le contenu de client heberge au serveur d'antememorisation approprie, selectionne parmi les serveurs d'antememorisation disponibles les plus proches de l'utilisateur et les moins charges. Le serveur SPD traite la remanence et renvoie les memes adresses IP a un client donne. L'espace entier de l'adresse Internet est subdivisee en plusieurs zones. Chaque zone est affectee a un groupe de serveurs SPD. Si un serveur SPD recoit une demande d'un client qui ne se trouve pas dans la zone affectee par le serveur SPD, celui-ci renvoie cette demande au serveur SPD affecte a cette zone. Les serveurs enregistrent les informations relatives au contenu distribue sur des fichiers-journaux saisis par un serveur de

consignation.

Legal Status (Type, Date, Text)

Publication 20020124 A2 Without international search report and to be  
republished upon receipt of that report.  
Search Rpt 20020711 Late publication of international search report  
Republication 20020711 A3 With international search report.  
Republication 20020711 A3 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.  
Examination 20021010 Request for preliminary examination prior to end of  
19th month from priority date

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DIALOG(R)File 349:PCT FULLTEXT

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00873767 \*\*Image available\*\*

**METHOD FOR DETERMINING METRICS OF A CONTENT DELIVERY**

**PROCEDE PERMETTANT DE DETERMINER LA METROLOGIE D'UN RESEAU DE DISTRIBUTION  
DE CONTENU ET DE GESTION DU TRAFIC MONDIAL**

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Legal Representative:

GLENN Michael (et al) (agent), Glenn Patent Group, Suite L., 3475 Edison  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200206961 A2-A3 20020124 (WO 0206961)

Application: WO 2001US22931 20010719 (PCT/WO US0122931)

Priority Application: US 2000219172 20000719; US 2000219166 20000719; US  
2000219946 20000719; US 2000219177 20000719; US 2000641746 20000818; US  
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Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/26

International Patent Class: H04L-012/24

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 22680

**English Abstract**

A method for determining metrics of a content delivery and global traffic management network provides service metric probes that determine the service availability and metric measurements of types of services provided by a content delivery machine. Latency probes are also provided for determining the latency of various servers within a network. Service metric probes consult a configuration file containing each DNS name in its area and the set of services. Each server in the network has a metric test associated with each service supported by the server which the service metric probes periodically performs metric tests on and records the metric test results which are periodically sent to all of the DNS servers in the network. DNS servers use the test result updates to determine the best server to return for a given DNS name. The latency

probe calculates the latency from its location to a client's location using the round trip time for sending a packet to the client to obtain the latency value for that client. The latency probe updates the DNS servers with the client's latency data. The DNS server uses the latency test data updates to determine the closest server to a client.

#### French Abstract

L'invention concerne un procede permettant de determiner la metrologie d'un reseau de distribution de contenu et de gestion du trafic mondial. Ce procede utilise des sondes metrologiques de service qui determinent la disponibilite du service et des mesures metrologiques des types de services fournis par une machine de distribution de contenu. Des sondes de latence sont egalement prevues afin de determiner la latence de plusieurs serveurs dans un reseau. Des sondes metrologiques de service consultent un fichier de configuration contenant chacun un nom de domaine dans sa zone et l'ensemble de services. Chaque serveur du reseau comprend un test metrologique associe a chaque service supporte par le serveur. Les sondes metrologiques de service effectuent periodiquement des tests metrologiques et enregistrent les resultats desdits tests sur chaque serveur, puis lesdits resultats sont periodiquement envoyes a tous les serveurs de noms de domaine du reseau. Lesdits serveurs de noms de domaine utilisent les mises a jour des resultats de tests afin de determiner quel est le meilleur serveur a renvoyer pour un nom de domaine donne. La sonde de latence calcule la latence entre son emplacement et un emplacement client a l'aide de la duree totale du cycle pour envoyer un paquet au client et ainsi obtenir la valeur de latence pour ledit client. La sonde de latence met a jour les serveurs de noms de domaine a l'aide des donnees de latence du client. Le serveur de noms de domaine utilise les mises a jour des donnees de test de latence pour determiner quel est le serveur le plus proche d'un client.

#### Legal Status (Type, Date, Text)

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Examination 20020822 Request for preliminary examination prior to end of 19th month from priority date  
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9/5/13 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00839936 \*\*Image available\*\*

#### PERSISTENT ARCHIVES

#### ARCHIVES AUTOMATIQUES

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#### Patent and Priority Information (Country, Number, Date):

Patent: WO 200173611 A2-A3 20011004 (WO 0173611)

Application: WO 2001US9201 20010323 (PCT/WO US0109201)

Priority Application: US 2000191662 20000323; US 2000255794 20001215; US 2000255795 20001215; US 2001273464 20010305; US 2001815447 20010321

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 21425

#### English Abstract

A persistent archive of a collection of data objects comprises a self-describing, infrastructure-independent representation of a logical structure for the collection and a self-describing, infrastructure-independent representation of the data objects. The archive is persistent in that it may be instantiated at an indefinite point in time in the future regardless of the state of technology at that time. A knowledge-based persistent archive of a collection of data objects comprises the foregoing two elements but also a self-describing, infrastructure-independent representation of knowledge relevant to the collection. Another embodiment of a knowledge-based persistent archive comprises at least one representation of a collection or the data objects, at least one self-describing, infrastructure-independent, or executable specification of one or more transformations relevant to the collection, and at least one self-describing, infrastructure-independent, or executable specification of one or more rules relevant to the collection.

#### French Abstract

La presente invention concerne des archives automatiques d'une collection d'objets de donnees comportant une representation auto-descriptive et independante d'infrastructures d'une structure logique de la collection et une representation auto-descriptive et independante d'infrastructures des objets de donnees. Les archives sont automatiques en ce sens qu'on peut en effectuer l'instanciation a un point temporel indetermine dans le futur independamment de l'etat de la technologie de cette epoque. Les archives automatiques a base de connaissances d'une collection d'objets de donnees comportent les deux elements precites, mais egalement une representation auto-descriptive et independante d'infrastructures des connaissances pertinentes a la collection. Dans un autre mode de realisation, les archives automatiques a base de connaissances comportent au moins une representation d'une collection ou d'objets de donnees, au moins une specification auto-descriptive et independante d'infrastructures, ou executable d'une ou de plusieurs transformations pertinentes a la collection, et au moins une specification auto-descriptive et independante d'infrastructures, ou executable d'une ou de plusieurs regles pertinentes a la collection.

#### Legal Status (Type, Date, Text)

Publication 20011004 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011220 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20021128 Late publication of international search report

Republication 20021128 A3 With international search report.

Republication 20021128 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

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DIALOG(R)File 349:PCT FULLTEXT

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00838308      \*\*Image available\*\*

**METHOD AND APPARATUS FOR DEMAND BASED PAGING ALGORITHM**

**PROCEDE ET APPAREIL DE DEMANDE REPOSANT UN ALGORITHME DE PAGINATION**

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Inventor(s):

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200172010 A2-A3 20010927 (WO 0172010)

Application: WO 2001US8401 20010315 (PCT/WO US0108401)

Priority Application: US 2000528092 20000317

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **H04L-029/06**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9175

**English Abstract**

A method of demand based retrieval of a data file including pages of data, in a network system having a remote host system interconnected to at least one local host system via a first communication link, and one or more end-user systems interconnected to the local host system via a second communication link. A cache buffer is maintained in the local host system for storing a plurality of data pages. Upon receiving a request from an end-user system for the data file, the cache buffer is checked to determine if one or more data pages currently referenced by the request are available therein. If so, one or more of the available data pages are transmitted from the cache buffer to the end user system. Otherwise, the referenced pages are retrieved from the remote host system to the local host system via the first communication link, stored in the cache buffer in the local host system, and transmitted to the end-user system via the second communication link.

**French Abstract**

L'invention concerne un procede de demande reposant sur l'extraction d'un fichier de donnees, y compris des pages de donnees, dans un systeme de reseau dote d'un systeme hote a distance interconnecte a au moins un systeme hote local par le biais d'une premiere liaison de communication, et au moins un systeme d'utilisateur final interconnecte audit systeme hote local par le biais d'une seconde liaison de communication. Un memoire cache est maintenue dans le systeme hote local pour stocker plusieurs pages de donnees. Suite a la reception d'une demande du fichier de donnees provenant d'un systeme d'utilisateur final, la memoire cache est verifiee pour determiner si au moins une page de donnees referencee a un moment donne par la demande est disponible. Si tel est le cas, au moins une des pages de donnees disponibles est transmise de la memoire cache au systeme d'utilisateur final. Au cas contraire, les pages referencees sont extraites du systeme hote a distance et acheminees vers le systeme hote local par la premiere liaison de communication, stockees dans la memoire cache du systeme hote local et transmises vers le systeme

de l'utilisateur final par la seconde liaison de communication.

Legal Status (Type, Date, Text)

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DIALOG(R)File 349:PCT FULLTEXT

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00805426 \*\*Image available\*\*

**METHOD FOR OPERATING AN INTEGRATED POINT OF PRESENCE SERVER NETWORK**  
**PROCEDE D'UTILISATION D'UN POINT DE INTEGRE DE RESEAU DE PRESENCE SERVEUR**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139003 A1 20010531 (WO 0139003)

Application: WO 2000US31939 20001121 (PCT/WO US0031939)

Priority Application: US 99166906 19991122; US 2000648420 20000823; US  
2000644927 20000823; US 2000645067 20000823

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-015/173**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10049

English Abstract

A method for operating a network point of presence servers sharing a  
hostname includes receiving a request from a user for a web page at a  
first web address, the web address including hostname, determining the  
traffic load of a plurality of customer web servers (390) each of the  
customer web servers storing the web page, determining a customer web  
server from the plurality of customer web servers that is appropriate for  
the request (440), the customer web server having a traffic load lower  
than the loads of remaining customer web servers from the plurality of  
customer web servers, determining an IP address of the customer web  
server (450), directing the request from the user to the customer web  
server, thereafter receiving a request from the user for static content  
on the web page at a second web address, the second web address including  
a hostname, determining the service metrics of point of presence servers  
in the network of point of presence.

French Abstract

L'invention concerne un procede d'utilisation d'un reseau point de presence de serveurs partageant un nom d'hote et consistant a recevoir une demande d'un utilisateur pour une page web a une premiere adresse URL, ladite adresse comprenant un nom d'hote, a determiner le volume de trafic de plusieurs serveurs web clients (390) stockant chacun la page web, a determiner un serveur web client approprie a la demande parmi les serveurs web clients (440), le serveur web client possedant un volume de trafic inferieur au volume de trafic des autres serveurs web clients, a determiner une adresse IP du serveur web client (450), a acheminer la demande de l'utilisateur vers le serveur web client, puis a recevoir une demande de l'utilisateur concernant le contenu statique se trouvant sur la page web a une seconde adresse URL, cette seconde adresse comprenant un nom d'hote, et, enfin, a determiner les mesures de service du point de presence des serveurs dans le reseau de point de presence.

Legal Status (Type, Date, Text)

Publication 20010531 A1 With international search report.

Examination 20011011 Request for preliminary examination prior to end of 19th month from priority date

Correction 20020725 Corrected version of Pamphlet: pages 1/7-7/7, drawings, replaced by new pages 1/7-7/7; due to late transmittal by the receiving Office

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9/5/16 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00804442 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROVIDING SECURE COMMUNICATION IN A NETWORK  
PROCEDE ET DISPOSITIF PERMETTANT D'ASSURER UNE COMMUNICATION SECURISEE DANS  
UN RESEAU**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200137068 A2-A3 20010525 (WO 0137068)

Application: WO 2000US31286 20001115 (PCT/WO US0031286)

Priority Application: US 99441451 19991117

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-029/06

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7196

English Abstract

Methods and systems of the present invention include providing a connection between a first computer and a second computer by receiving, at a third computer, information regarding one of the first and second computers to facilitate establishment of a secure connection between the first computer and the second computer, creating a first end-to-end security link between the first computer and third computer, and creating a second end-to-end security link between the second computer and the third computer to establish the secure connection. The first and second computers could be a client and a server on the Internet, and these methods and systems can, for example, increase the possible number of new secure connections to the server. The third computer also permits processing of information transmitted between the client and server in the third computer. For example, the information could be reformatted or used in testing a process of one of the first and second computers.

#### French Abstract

L'invention concerne des systemes et des procedes consistant a etabliir une connexion entre un premier ordinateur et un deuxieme ordinateur par reception, au niveau d'un troisieme ordinateur, d'informations concernant le premier ou le deuxieme ordinateur de maniere a faciliter l'etablissement d'une connexion securisee entre le premier ordinateur et le deuxieme ordinateur, ce qui permet de creer une premiere liaison de securite de bout en bout entre le premier ordinateur et le troisieme ordinateur ainsi qu'une seconde liaison de securite de bout en bout entre le deuxieme ordinateur et le troisieme ordinateur, d'ou l'etablissement d'une connexion securisee. Lesdits premier et deuxieme ordinateurs peuvent etre un client et un serveur bases sur Internet. Ces procedes et ces systemes permettent, par exemple, d'augmenter le nombre possible de nouvelles connexions securisees au serveur. Le troisieme ordinateur permet egalement de traiter des informations transmises entre le client et le serveur dans le troisieme ordinateur. Par exemple, ces informations peuvent etre reformatees ou utilisees pour tester une operation du premier ou du second ordinateur.

#### Legal Status (Type, Date, Text)

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00767965 \*\*Image available\*\*

#### CUSTOMIZING WEB CONTENT BASED ON NETWORK CONDITIONS

#### PERSONNALISATION D'UN CONTENU WEB EN FONCTION DES CONDITIONS DU RESEAU

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Legal Representative:

HECKER Gary A (et al) (agent), The Hecker Law Group, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200101621 A2-A3 20010104 (WO 0101621)

Application: WO 2000US16450 20000615 (PCT/WO US0016450)

Priority Application: US 99343963 19990630

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(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-015/16

International Patent Class: G06F-015/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6285

#### English Abstract

A method and apparatus for the customized transport of electronic material in a networked environment based on network conditions. In one or more embodiments of the invention, once a user (220) establishes a connection with a network server (210) to access the information available thereon, the server computer (210) identifies the device used by the user (220) and customizes the transmission rate and content for that device based on information (27) that is either already available or that is acquired at the time the connection is established.

#### French Abstract

L'invention concerne un procede et un dispositif permettant de personnaliser le transport de materiel electronique dans un environnement en reseau, en fonction des conditions du reseau. Avec l'avenement de la technologie Internet, de plus en plus de dispositifs, notamment des ordinateurs personnels, des agendas electroniques etc. sont utilises et equipes pour acceder aux informations fournies par Internet. Dans un ou plusieurs modes de mise en oeuvre, le present procede se deroule de la maniere suivante : lorsqu'un utilisateur etablit une connexion avec un serveur de reseau afin de solliciter l'information disponible sur ce dernier, l'ordinateur serveur identifie le dispositif utilise par l'utilisateur et adapte la vitesse de transmission et le contenu a ce dispositif, en se referant a une information qui soit est deja disponible, soit est acquise au moment de l'etablissement de la connexion. Si par exemple le serveur determine que le client utilise un dispositif disposant de ressources d'affichage limitees (p. ex. un dispositif capable d'afficher uniquement du **texte** ), il genere ou personnalise des donnees d'affichage de maniere a les rendre compatibles avec ce dispositif (p. ex. seules les donnees **texte** sont transferees). Dans un ou plusieurs modes de mise en oeuvre, la transmission de donnees est personnalisee en fonction des conditions du reseau. Les conditions du reseau determinent le rendement du reseau, indiquant le volume d'information qui peut etre traitee avec succes a un moment donne. Differents systemes permettent de definir avec precision le plan de transfert de donnees le mieux adapte au dispositif. Dans un mode de mise en oeuvre par exemple, le serveur effectue un suivi du temps necessaire au traitement d'une demande dans le reseau et regle la vitesse de transfert de donnees de maniere qu'une quantite plus importante de donnees est transportee lorsque les conditions du reseau le justifient.

#### Legal Status (Type, Date, Text)

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Search Rpt 20010405 Late publication of international search report  
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00763297

DOCUMENT DELIVERY SYSTEM FOR AUTOMATICALLY PRINTING A DOCUMENT ON A PRINTING DEVICE  
SYSTEME DE REMISE DE DOCUMENTS POUR L'IMPRESSION AUTOMATIQUE D'UN DOCUMENT

# **SUR UN DISPOSITIF D'IMPRESSION**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200076204 A1 20001214 (WO 0076204)

Application: WO 2000US15122 20000601 (PCT/WO US0015122)

Priority Application: US 99325040 19990607

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(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: H04N-001/32

International Patent Class: **G06F-003/12**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9281

## English Abstract

A document is operatively coupled to a printing device, either directly or through a network such as the Internet. A print schedule is stored that keeps track of when a document should be printed on the printing device. When the print schedule indicates the document should be printed, the document is automatically transmitted to the printing device without user intervention. The document can be stored on an electronic device, such as a personal computer connected to the printing device, or can be stored on a document server accessible to the printing device through the Internet. A user profile is stored that contains information about the recipient of the document, such as name, email address, household income, and interests. Since advertising can also be included in the document, the user profile can also be used to select advertising likely to be of interest to the user to be included in the personalized document. A product can be subsidized for a user, based on the information contained in the user profile. Likewise, printable media such as paper can also automatically be sent to user. Alternatively, coupons for free or discounted products such as those described above can be mailed, sent electronically, or otherwise distributed to the user.

## French Abstract

Un document est couple de maniere operationnelle a un dispositif d'impression, que ce soit directement ou par l'intermediaire d'un reseau comme Internet, un calendrier des travaux d'impression etant par ailleurs memorise de maniere a pouvoir faire le suivi d'un document destine a etre imprime sur le dispositif d'impression. Lorsque ce calendrier des travaux d'impression indique qu'un document doit etre imprime, ce dernier est alors automatiquement transmis au dispositif d'impression sans que l'utilisateur n'ait besoin d'intervenir. Le document peut etre memorise dans un dispositif electronique tel qu'un ordinateur personnel connecte au dispos

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00762393      \*\*Image available\*\*

**A SYSTEM AND RELATED METHODS FOR DYNAMICALLY COMPILING A PUBLICATION  
SYSTEME DE COMPILATION DYNAMIQUE D'UNE PUBLICATION ET PROCEDES ASSOCIES**

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HEWLETT-PACKARD COMPANY, 3404 E. Harmony Road, P.O. Box 272400 m/s 35,  
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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200075799 A1 20001214 (WO 0075799)

Application: WO 2000US15194 20000601 (PCT/WO US0015194)

Priority Application: US 99325040 19990607

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Main International Patent Class: **G06F-015/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14275

**English Abstract**

A system (10) for dynamically compiling a publication (6001) is presented including one or more publication agents (500) coupled to a plurality of content providers (50, 80) through a network. The publication agent(s) (500), responsive to receipt of a publication profile (641), selectively issue one or more requests for content from select content providers (50, 80) at a time(s) appropriate to the requested content. In this regard, the publication agents (500) function to improve the accuracy, timeliness and relevancy of the content comprising the generated publication (6001).

**French Abstract**

L'invention concerne un systeme (10) destine a elaborer, de maniere dynamique, une publication (6001), qui comprend au moins un agent de publication (500) couple, via un reseau, a plusieurs fournisseurs de contenu (50, 80). Les agents de publication (500), suite a la reception d'un profil de publication (641), emettent de facon selective une ou plusieurs demandes de contenu aux fournisseurs de contenu choisis (50, 80) a une date opportune selon le contenu demande. Les agents de publication (500) servent ainsi a ameliorer l'exactitude, l'opportunite et la pertinence du contenu de la publication (6001) produite.

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**9/5/20 (Item 20 from file: 349)**

DIALOG(R) File 349:PCT FULLTEXT

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00762392      \*\*Image available\*\*

**A MULTI-SOURCED EXTENSIBLE PUBLISHING AND EDITORIAL SYSTEM AND RELATED METHODS**

**SYSTEME DE PUBLICATION ET D'EDITION EXTENSIBLE MULTISOURCE ET PROCEDES CORRESPONDANTS**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200075798 A1 20001214 (WO 0075798)

Application: WO 2000US15126 20000601 (PCT/WO US0015126)

Priority Application: US 99325040 19990607

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Main International Patent Class: **G06F-015/00**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 19147

English Abstract

A method for receiving information at a document delivery server (100) from a producer to generate and/or update a publication profile, periodically acquiring content objects from one or more content providers (50) based, at least in part, on the publication profile, and generating the publication utilizing one or more of the retrieved content objects. According to one implementation, the generated publication is a mock-up, which is presented to the producer to review and/or edit prior to final publication.

French Abstract

Cette invention se rapporte a un procede grace auquel un serveur de diffusion de documents (100) recoit des informations provenant d'un producteur pour generer et/ou mettre a jour un profil de publication, acquiert periodiquement des objets de contenus provenant d'un ou de plusieurs fournisseurs de contenus (50) en se basant, au moins partiellement, sur le profil de publication, et genere la publication en utilisant un ou plusieurs des objets de contenus acquis. Selon un mode de realisation, la publication generee est une maquette, qui est presentee au producteur en vue de sa revision et/ou son montage, avant la publication finale.

Legal Status (Type, Date, Text)

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Publication 20001214 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

**9/5/21 (Item 21 from file: 349)**

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00762367 \*\*Image available\*\*

**AN AGENT AND METHOD FOR DYNAMICALLY SCHEDULING PUBLICATION IN AN AUTOMATED DOCUMENT DELIVERY SYSTEM**

**AGENT ET PROCEDE D'ORDONNANCEMENT DYNAMIQUE DE PUBLICATIONS DANS UN SYSTEME DE REMISE DE DOCUMENTS AUTOMATISE**

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Patent and Priority Information (Country, Number, Date):  
Patent: WO 200075768 A1 20001214 (WO 0075768)  
Application: WO 2000US15124 20000601 (PCT/WO US0015124)  
Priority Application: US 99325040 19990607; US 2000523264 20000310  
Designated States: AU BR CA CN CZ HU IL IN JP KR MX NZ PL RU SG ZA  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Main International Patent Class: G06F-003/12  
International Patent Class: H04N-001/32  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 14245

#### English Abstract

A document delivery system (10) comprising a data store of content objects and a publishing agent (504) is presented. One or more of the content objects are selected and retrieved (520) to comprise a personalized publication. The publishing agent (504) finalizes at least a partial layout (516) of content objects and schedules publication (516) of the personalized publication based, at least in part, on a measure of complexity of the personalized publication.

#### French Abstract

L'invention concerne un systeme de remise de documents (10) comprenant une memoire de donnees, destinee a memoriser des objets de contenu, et un agent de publication (504). Un ou plusieurs objets de contenu sont selectionnes puis extraits (520) pour inclure une publication personnalisee. L'agent de publication (504) finalise au moins une mise en page partielle (516) de ces objets de contenu et publie de maniere ordonnancee (516) la publication personnalisee, et ce au moins en partie sur la base d'une mesure de la complexite de cette publication personnalisee.

Legal Status (Type, Date, Text)

Publication 20001214 A1 With international search report.

9/5/22 (Item 22 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00762356 \*\*Image available\*\*

**A VIRTUAL EDITOR AND RELATED METHODS FOR DYNAMICALLY GENERATING PERSONALIZED PUBLICATIONS**  
**PROGRAMME D'EDITION VIRTUEL ET PROCEDES ASSOCIES POUR GENERER DYNAMIQUEMENT DES PUBLICATIONS PERSONNALISEES**

Patent Applicant/Assignee:

HEWLETT-PACKARD COMPANY, 3404 E. Harmony Road, P.O. Box 272400 m/s 35, Fort Collins, CO 80527-2400, US, US (Residence), US (Nationality)

Patent Applicant/Inventor:

MILLER Robert M, 3404 E. Harmony Road, P.O. Box 272400 m/s 35, Fort Collins, CO 80527-2400, US, US (Residence), US (Nationality)

**GUPTA Alope**, 955 NW Raintree Drive, Corvallis, OR 97330, US, US (Residence), US (Nationality)

VAN ZEE Pieter J, 3630 NW Twinberry Place, Corvallis, OR 97330, US, US (Residence), IN (Nationality)

SMITH Donald X, 1149 NW Alder Creek Drive, Corvallis, OR 97330, US, US (Residence), US (Nationality)

Legal Representative:

JENSKI Raymond A, 1000 NE Circle Boulevard, m/s 422B, Corvallis, OR 97330, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200075757 A1 20001214 (WO 0075757)

Application: WO 2000US15127 20000601 (PCT/WO US0015127)  
Priority Application: US 99325040 19990607; US 2000523283 20000310  
Designated States: AU BR CA CN CZ HU IL IN JP KR MX NZ PL RU SG ZA  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Main International Patent Class: **G06F-001/00**  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 17889

#### English Abstract

A document delivery system comprises a data store to receive a plurality of content objects and a virtual editor (506) to dynamically generate a personalized publication for a requesting user. The virtual editor selectively retrieves one or more of the received content objects to construct a personalized publication for a requesting user based, at least in part, on an accessed personal profile associated with the requesting user.

#### French Abstract

L'invention concerne un systeme de remise de documents comprenant une memoire de donnees, destinee a recevoir une pluralite d'objets de contenu, et un programme d'edition virtuel (506) concu pour generer dynamiquement une publication personnalisee pour un utilisateur demandeur. Ce programme d'edition virtuel extrait selectivement un ou plusieurs objets de contenu recus, afin d'elaborer une publication personnalisee pour un utilisateur demandeur, et ce au moins en partie sur la base d'un profil personnel accessible associe a cet utilisateur demandeur.

Legal Status (Type, Date, Text)

Publication 20001214 A1 With international search report.

**9/5/23 (Item 23 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00755692 \*\*Image available\*\*

#### **METHOD AND APPARATUS FOR AUTHENTICATING USERS**

#### **PROCEDE ET DISPOSITIF D'AUTHENTIFICATION D'UTILISATEURS**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, M/S UPAL01-521, Palo Alto, CA 94303, US, US (Residence), US (Nationality)

Inventor(s):

**GUPTA Abhay**, 231 Dixon Landing Road #121, Milpitas, CA 95035, US

FERRIS Chris, 57 Kerry Lane, Whitinsville, MA 01588, US

ABDELNUR Alejandro, 289 East California Avenue, Sunnyvale, CA 94086, US

Legal Representative:

HECKER Gary A, The Hecker Law Group, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200069110 A1 20001116 (WO 0069110)

Application: WO 2000US12209 20000504 (PCT/WO US0012209)

Priority Application: US 99309341 19990511

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **H04L-009/00**

International Patent Class: **H04L-009/32**

Publication Language: English

Filing Language: English

Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 9809

#### English Abstract

The invention externalizes an authentication mechanism from an application in the form of a login server (204) so that the application does not have to authenticate any user. The login server is configured to handle authentication. An application server (202), having the application, checks (304) if a request (206) has an active and valid session; and if there is not a valid session, the application server redirects (306) the user to the login server. The login server attempts (308) to authenticate the user (200) by using any authentication mechanism. Once authenticated, the login server redirects (314) the user back to the application server. The application server verifies the authentication with the login server; and once verified, the application server processes the request. The communications between the two servers are independent of user interaction.

#### French Abstract

L'invention concerne l'extraction d'un mecanisme d'authentification a partir d'une application sous la forme d'un serveur de connexion (204) de maniere que l'application n'ait aucun utilisateur a authentifier. Le serveur de connexion est configure pour la mise en oeuvre de l'authentification. Un serveur d'applications (202) pourvu de l'application verifie (304) si une demande (206) correspond a une session active et valide. Si aucune session n'est valide, le serveur d'applications reachemine (306) l'utilisateur vers le serveur de connexion. Le serveur de connexion essaie (308) d'authentifier l'utilisateur (200) en recourant a n'importe quel mecanisme d'authentification. Apres l'authentification, le serveur de connexion reachemine a nouveau l'utilisateur vers le serveur d'applications. Le serveur d'applications verifie l'authentification directement avec le serveur de connexion. Apres la verification, le serveur d'applications traite la demande de l'utilisateur. Les communications entre les deux serveurs ne sont pas sujettes a une interaction en provenance de l'utilisateur.

#### Legal Status (Type, Date, Text)

Publication 20001116 A1 With international search report.  
Publication 20001116 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
Examination 20010405 Request for preliminary examination prior to end of 19th month from priority date

9/5/24 (Item 24 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2002 WIPO/Univentio. All rts. reserv.

00740808 \*\*Image available\*\*

#### RESOURCE LOCATOR

##### LOCALISATEUR DE RESSOURCES

##### Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, M/S: UPAL01-521, Palo Alto, CA 94303, US, US (Residence), US (Nationality)

##### Inventor(s):

GUPTA Abhay , 231 Dixon Landing Road, #121, Milpitas, CA 95035, US  
ABDELNUR Alejandro, 289 East California Avenue, Sunnyvale, CA 94086, US

##### Legal Representative:

HECKER Gary A, The Hecker Law Group, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067, US

##### Patent and Priority Information (Country, Number, Date):

Patent: WO 200054151 A2 20000914 (WO 0054151)  
Application: WO 2000US6550 20000310 (PCT/WO US0006550)  
Priority Application: US 99267794 19990312

l'accès à tous les serveurs d'application et/ou aux services nécessaires au client.

Legal Status (Type, Date, Text)

Publication 20000914 A2 Without international search report and to be republished upon receipt of that report.  
Search Rpt 20001228 Late publication of international search report  
Examination 20010201 Request for preliminary examination prior to end of 19th month from priority date

9/5/25 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00566635 \*\*Image available\*\*

**METHOD AND APPARATUS FOR LOCAL ADVERTISING**

**TECHNIQUE DE PUBLICITE LOCALE ET DISPOSITIF A CET EFFET**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

GUPTA Amit ,

VENKATARAMAN Sriraman,

BAEHR Geoffrey

Patent and Priority Information (Country, Number, Date):

Patent: WO 200030008 A1 20000525 (WO 0030008)

Application: WO 99US27061 19991112 (PCT/WO US9927061)

Priority Application: US 98192874 19981116

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD

RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF

CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60

International Patent Class: G06F-017/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11877

English Abstract

Internet Service Providers (ISPs) or proxies (502) owned by ISP insert advertisements transmitted from a web host to a client. The advertisement may be stored in the proxy's cache or may be retrieved from a web server (510) for an advertiser. By providing the ISP with the ability to insert the advertisement, advertisements appear on small web sites that do not normally attract advertisers. Additionally, due to the number of advertisements placed by an ISP, small advertisers may have their advertisements appear in connection with frequently used web sites. One or more embodiments of the invention provide for an ISP to collect and store demographic information (508) such as the user's age, residence, credit history, etc.

French Abstract

La présente invention concerne une technique de publicité et un dispositif à cet effet. Les fournisseurs de services Internet (ISP) ou les mandataires (502) qu'ils detiennent, insèrent de la publicité et la transmettent au client à partir d'un site d'hébergement. La publicité peut être stockée dans un cache du mandataire ou récupérée d'un serveur réseau (510) pour un annonceur. En donnant aux ISP cette capacité d'insérer de la publicité, des encarts publicitaires apparaissent sur des petits sites qui d'habitude n'intéressent pas les annonceurs. En outre, du fait du nombre d'encarts introduits par un ISP, ceux des petits annonceurs peuvent apparaître en connexion avec des sites très fréquemment utilisés. Au moins une réalisation de cette invention permet à un ISP de recueillir et stocker des données démographiques (508) telles que l'âge, l'adresse, les antécédents en matière de crédit de

l'utilisateur, etc.

9/5/26 (Item 26 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00566629 \*\*Image available\*\*

**METHOD AND APPARATUS FOR NEGOTIATING TERMS FOR LOCAL ADVERTISING  
PROCEDE ET DISPOSITIF DE NEGOCIATION DES TERMES D'UNE PUBLICITE LOCALE**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

GUPTA Amit ,

BAEHR Geoffrey

Patent and Priority Information (Country, Number, Date):

Patent: WO 200030002 A1 20000525 (WO 0030002)

Application: WO 99US26697 19991112 (PCT/WO US9926697)

Priority Application: US 98192874 19981116; US 99343965 19990630

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ  
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60

International Patent Class: G06F-017/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14926

**English Abstract**

A method and apparatus for local advertising. Web hosts sell advertising space on their web site and distribute web pages including the advertisements to Internet users or clients. It is desirable for advertisements to target specific audiences and persons that may be interested in the specific good or service being advertised. One or more embodiments of the invention provide for advertisements that are transmitted (606) from a web host to a client. The inserted advertisement may be an advertisement that is stored in the proxy's cache (604) or may be retrieved from a web server for an advertiser. One or more embodiments of the invention provide for a module to be downloaded to the proxy that is responsible for negotiating and inserting the advertisement.

**French Abstract**

L'invention concerne un procede et un dispositif de publicite locale. Des hotes du Web vendent des espaces publicitaires sur leur site Web et distribuent des pages Web comprenant les publicites a des utilisateurs ou clients de l'Internet. Il est souhaitable que les publicites ciblent un public specifique qui puisse etre interesse par une marchandise ou un service en particulier, annonce par publicite. Dans un ou plusieurs modes de realisation de l'invention, de publicites sont transmises (606) a partir d'un hote du Web, a un client. La publicite inseree peut etre une publicite conservee dans l'antememoire du mandataire (604), ou elle peut etre extraite a partir d'un serveur du Web, pour un publicitaire. L'invention concerne egalement un module, destine a etre telecharge en direction du mandataire responsable de la negociation et de l'insertion de la publicite.

9/5/27 (Item 27 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00566596 \*\*Image available\*\*

**METHOD AND APPARATUS FOR PROCESSING CLIENT INFORMATION**

**PROCEDE ET APPAREIL POUR TRAITER LES INFORMATIONS D'UN CLIENT**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

**GUPTA Amit**,

VENKATARAMAN Sriraman,

BAEHR Geoffrey

Patent and Priority Information (Country, Number, Date):

Patent: WO 200029969 A1 20000525 (WO 0029969)

Application: WO 99US27062 19991112 (PCT/WO US9927062)

Priority Application: US 98192806 19981116

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK  
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ  
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-015/16**

International Patent Class: **G06F-017/00 ; G06F-017/60**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7660

**English Abstract**

Internet Service Providers (ISPs) or proxies owned by ISPs collect and store information regarding particular users (100) in user profiles. Profiles may include demographic information, such as age, residence, and credit history, and may include web sites the user has accessed, time spent on each web site, and Internet searches the user performed. Profile information (304) may be utilized by the proxy (102) to target advertising, provided to a web server (104) so the web server (104) may target advertising, or used to customize a user's display. Profile information (304) may also be utilized to associate a cost with certain demographic information. The ISP may evaluate profile information (304) for inserting advertisements or customizing displays. Profile information (304) may also be sold to a third party. Thus, the profile and demographic information (304) can be utilized to individually customize information displayed to a client (100).

**French Abstract**

L'invention concerne des prestataires de services Internet ou des mandataires exploites par lesdits prestataires, qui recueillent des informations concernant des utilisateurs (100) et les mettent en memoire sous forme de profils utilisateurs. Les profils peuvent regrouper des informations d'ordre demographique, comme l'age, la residence ou les antecedents en matiere de credit. Les profils peuvent egalement regrouper des informations sur les sites visites par un utilisateur, le temps passe sur chaque site, et les recherches par Internet que l'utilisateur a effectuees. Les informations compilees dans les profils (304), permettant au mandataire (102) d'elaborer une publicite ciblee, ou peuvent servir a un serveur Web (104) pour elaborer une publicite ciblee. Ces informations (304) peuvent aussi servir a personnaliser le contenu de l'affichage de l'utilisateur ou a associer un cout a certaines informations demographiques. Le prestataire de services Internet peut exploiter les informations du profil (304) afin d'insérer des messages publicitaires ou personnaliser l'affichage. Les informations du profil (304) peuvent aussi etre vendues a un tiers. Les informations du profil et les informations demographiques (304) peuvent ainsi etre utilisees pour personnaliser les informations presentees a un client (100).

**9/5/28 (Item 28 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00553160 \*\*Image available\*\*

MULTIMEDIA **TIMELINE MODIFICATION IN NETWORKED CLIENT/SERVER SYSTEMS**

MODIFICATION DE COMPOSITIONS TEMPORELLE DANS DES SYSTEMES CLIENT/SERVEUR EN RESEAU

Patent Applicant/Assignee:

MICROSOFT CORPORATION,

Inventor(s):

GUPTA Anoop ,

OMOIGUI Nosakhare D

Patent and Priority Information (Country, Number, Date):

Patent: WO 200016533 A1 20000323 (WO 0016533)

Application: WO 99US21325 19990915 (PCT/WO US9921325)

Priority Application: US 98153664 19980915

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD

RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF

CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04L-029/06

International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10573

English Abstract

**Multimedia** content is streamed over a network system from a server computer to a client computer. The client allows a user to enter a variable playback speed and varies the speed at which the **multimedia** content is rendered at the client. Time-scale modification technology is used to maintain the original pitch of any **audio** content, thereby maintaining its intelligibility.

French Abstract

Un contenu **multimedia** est fourni en continu dans un systeme de reseau a partir d'un ordinateur serveur, a destination d'un ordinateur client. Le client permet a l'utilisateur d'introduire une vitesse de lecture variable et varie la vitesse a laquelle le contenu **multimedia** est reproduit dans le client. Une technologie de modification d'echelle temporelle est utilisee afin de maintenir la hauteur tonale de tout contenu **audio** de maniere que ce dernier reste intelligible.

9/5/29 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00551565 \*\*Image available\*\*

METHOD AND APPARATUS FOR TRANSPARENTLY PROCESSING DNS TRAFFIC

PROCEDE ET DISPOSITIF DE TRAITEMENT EN TRANSPARENCE DU TRAFIC DNS

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

GUPTA Amit ,

SCHUBA Christoph,

BAEHR Geoffrey

Patent and Priority Information (Country, Number, Date):

Patent: WO 200014938 A2 20000316 (WO 0014938)

Application: WO 99US20158 19990901 (PCT/WO US9920158)

Priority Application: US 98150630 19980909

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM

TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ

MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ

CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04L-012/56

International Patent Class: H04L-029/12

Publication Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 7055

#### English Abstract

A method and apparatus for transparently processing DNS traffic. To access information on the internet using a domain name, the internet protocol (IP) address that maps to the host name must be determined. The host name system (DNS) is utilized to transmit and process the address and domain name information. DNS traffic comprises approximately 10 % of the internet network traffic. When a client requests a name server to translate a domain name into an IP address, the requests are forwarded from one network router to another network router until a name server that maintains the desired information is reached. The network routers do not examine the information, but merely forward the information along the pathway to the destination name server. One or more embodiments of the invention provide for updated routers that recognize when the information consists of DNS traffic, parses the information, caches the address information (if any), and then continues to forward the desired information back to the client of the name service. Consequently, when another request for similar address information is forwarded to a router, the router can provide the response to the requestor instead of forwarding the request to a distant name server. In this manner, routers intercept DNS traffic and cache DNS information, allowing clients that utilize different name servers to benefit from the cached information. Such updated routers reduce the latency in DNS responses and reduce network traffic.

#### French Abstract

L'invention porte sur un procede et un dispositif permettant de traiter de maniere transparente le trafic DNS. Pour acceder a des informations sur l'internet au moyen d'un nom de domaine, il convient de determiner l'adresse du protocole internet (IP) qui correspond au nom de l'hote. Le systeme de nom de domaine (DNS) permet de transmettre et de traiter les informations d'adresse et de nom de domaine. Le trafic DNS represente approximativement 10 % du trafic internet. Lorsqu'un client demande a un serveur de nom de traduire un nom de domaine en adresse IP, la demande est transmise d'un routeur de reseau a un autre jusqu'au serveur de nom qui detient les informations desirees. Les routeurs de reseau n'examinent pas les informations, mais se contentent de les faire suivre jusqu'au serveur de nom destinataire. Un ou plusieurs modes de realisation, selon la presente invention, concernent le routeur actualise qui reconnait si des informations sont un trafic DNS, analyse les informations, met en antememoire les informations d'adresse (le cas echeant) et renvoient les informations desirees vers le client du serveur de nom. En consequence, lorsqu'une autre demande concernant des informations d'adresse analogues est transmise a un routeur, ce dernier peut apporter la reponse au demandeur au lieu de transmettre la demande a un autre serveur de nom eloigne. De cette maniere, les routeurs interceptent le trafic DNS et mettent en antememoire les informations DNS et, ainsi, permettent aux clients qui utilisent differents serveurs de nom de beneficier des informations mises en antememoire. Ces routeurs actualises reduisent les delais d'attente pour les reponses DNS et diminuent le trafic reseau.

9/5/30 (Item 30 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00549734 \*\*Image available\*\*

**METHOD AND APPARATUS FOR ENCODING CONTENT CHARACTERISTICS**  
**PROCEDE ET APPAREIL DE CODAGE DE CARACTERISTIQUES D'UN CONTENU**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

GUPTA Amit ,



l'invention repose sur une compatibilite retroactive avec des navigateurs internet existants par codage des caracteristiques de la partie localisation de fichiers de l'URL, au lieu de la partie de l'identificateur du protocole d'application.

9/5/31 (Item 31 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00529107

**METHOD AND APPARATUS FOR EFFECTIVE TRAFFIC LOCALIZATION THROUGH DOMAIN NAME SYSTEM**

**PROCEDE ET APPAREIL DE LOCALISATION EFFICACE DU TRAFIC CIRCULANT A TRAVERS UN SYSTEME DE NOM PAR DOMAINE**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

GUPTA Amit ,

BAEHR Geoffrey A,

ROM Raphael,

SCHUBA Christoph

Patent and Priority Information (Country, Number, Date):

Patent: WO 9960459 A2 19991125

Application: WO 99US10942 19990518 (PCT/WO US9910942)

Priority Application: US 9881860 19980519

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU

TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7037

**English Abstract**

The present invention uses a client-side computation to efficiently provide translation of a domain name to the address of a "good" (i.e. close, available, nearby) server of a distributed server system. The invention uses an application client's resolver to perform some computation to determine the IP address of a preferred server for that client. When the client provides the web server name (say www.sun.com) to the DNS resolver, the DNS service returns data, or a small applet that runs at the browser's local resolver to generate the desired IP address. The present invention is processed by the DNS server (in the resolver portion) and at the client. The web server does not need to participate. The invention does not require any changes to the current DNS infrastructure. The invention also can direct clients to more local servers and avoid expensive "long-haul" links. The invention also preserves the critical caching property of the current DNS system, has reduced latency than other schemes, less traffic for the network and DNS servers, and supports the use of secondary DNS servers.

**French Abstract**

La presente invention utilise le calcul cote client pour assurer la traduction efficace d'un nom de domaine vers l'adresse d'un "bon" (c'est-a-dire proche, disponible, voisin) serveur d'un systeme de serveurs repartis. L'invention utilise un interpreteur du client de l'application pour effectuer quelques calculs afin de determiner l'adresse IP d'un serveur prefere pour ce client. Lorsque le client fournit a l'interpreteur de DNS le nom du serveur Web (p.ex., www.sun.com), le service DNS retourne des donnees ou une petite appliquette qui tourne sur l'interpreteur local du navigateur pour generer l'adresse IP desiree. Le traitement de l'objet de la presente

invention se fait par le serveur DNS (dans la partie interpréteur) et chez le client. Le serveur Web n'est pas obligé d'y participer. L'invention ne nécessite aucun changement de la structure DNS existante. L'invention peut également diriger les clients vers d'autres serveurs locaux en évitant les coûteuses liaisons "longue distance". Elle permet de préserver la propriété tampon critique du système DNS existant, possède une latence réduite par rapport aux autres schémas, représente moins de trafic pour le réseau et les serveurs DNS et prend en charge l'utilisation de serveurs DNS secondaires.

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DIALOG(R)File 349:PCT FULLTEXT

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00515349 \*\*Image available\*\*

**METHOD AND SYSTEM FOR AUTOMATICALLY FILLING FORMS IN AN INTEGRATED NETWORK BASED TRANSACTION ENVIRONMENT**

**METHODE ET SYSTEME PERMETTANT DE REMPLIR DES FORMULAIRES DANS UN ENVIRONNEMENT INTEGRE DE TRANSACTIONS ARTICULE AUTOUR D'UN RESEAU**

Patent Applicant/Assignee:

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GUPTA Ashish,  
RAJARAMAN Anand,

Inventor(s):

GUPTA Ashish ,  
RAJARAMAN Anand

Patent and Priority Information (Country, Number, Date):

Patent: WO 9946701 A1 19990916

Application: WO 99US4489 19990301 (PCT/WO US9904489)

Priority Application: US 9877322 19980309; US 9877655 19980311; US 9866523 19980320; US 9866739 19980320

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US US US UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/30

International Patent Class: G06F-017/60

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 5622

English Abstract

A method of automatically filling in on-line forms presented by web pages in an internet transactional environment by determining (350) based upon selectable criteria a form identifier corresponding to a particular on-line form, and thereupon, for each form so identified, indentifying (352) one or many corresponding match patterns (354) with which a page containing a target on-line form is parsed (358) to obtain a plurality of attributes, and thereupon, for each attribute obtained in the parsing step, indexing into a database to obtain (360) and then appropriately transform (362) user information which may be used to fill in (364) the target form.

French Abstract

Cette methode, permettant de remplir automatiquement des formulaires en ligne presentes par des pages web dans un environnement transactionnel inter-reseaux, consiste a determiner (350), en fonction de criteres pouvant etre selectionnes, un identificateur de formulaire, et cette premiere identification ayant ete effectuee, a identifier (352) une ou plusieurs configurations de concordance (354) avec lesquelles une page contenant une cible en ligne est analysee (358) et ce, afin d'obtenir plusieurs attributs, et, pour chaque attribut obtenu lors de l'analyse, a effectuer un indexage dans une base de donnees (360) afin d'obtenir une information d'utilisateur, que l'on transformera ensuite de facon

pertinente (362), cette information pouvant etre utilisee pour remplir (364) le formulaire cible.

9/5/33 (Item 33 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00506711 \*\*Image available\*\*

**NETWORK-BASED AUTHENTICATION OF A COMPUTER USER**

**DISPOSITIF D'AUTHENTIFICATION EN RESEAU D'UN UTILISATEUR D'ORDINATEUR**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC,

Inventor(s):

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GUPTA Abhay ,

WILSON Yvonne

Patent and Priority Information (Country, Number, Date):

Patent: WO 9938063 A1 19990729

Application: WO 99US1614 19990126 (PCT/WO US9901614)

Priority Application: US 9872714 19980127; US 98106304 19980629

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT

BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA

GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4570

**English Abstract**

A network-based authentication scheme is provided that performs authentication in a centralized manner for the stand-alone computers of a particular organization. Since authentication is centralized, the individual computers do not need to store authentication information, and control over all of the computers rests in a single location, enabling the system administrator to manage access and utilization of the computers from this location. The network-based authentication scheme includes an authentication manager, remotely located with respect to a local computer, that performs authentication for the local computer. The authentication manager receives login information from the local computer, verifies this information against an authentication file, and returns indications of the services on the local computer that the user is able to utilize. The local computer receives these indications and displays icons representing the services available to that user. The user may then select an icon, causing an applet to be downloaded from the authentication manager onto the local computer to facilitate the user's utilization of the corresponding service.

**French Abstract**

Un dispositif d'authentification sur reseau assurant l'authentification de maniere centralisee pour les ordinateurs autonomes d'une organisation particuliere. Etant donne que l'authentification est centralisee, les ordinateurs individuels n'ont pas a memoriser d'information d'authentification, et le controle des autres ordinateurs est assure a un seul emplacement, ce qui permet a l'administrateur de systeme de gerer l'acces et l'utilisation des ordinateurs depuis cet emplacement. Le mecanisme d'authentification sur reseau comprend un gestionnaire d'authentification, situe a distance par rapport a un ordinateur local, et qui assure l'authentification pour ce dernier. Il recoit l'information d'entree dans le systeme envoyee par l'ordinateur local, verifie l'information par rapport a un fichier d'authentification, classe et renvoie les indications des services sur l'ordinateur local dont l'utilisateur peut disposer. L'ordinateur local recoit ces indications et

affiche des icones representant les services a la disposition dudit utilisateur. L'utilisateur peut ensuite selectionner une icone, ce qui provoque le telechargement d'une mini-application, du questionnaire d'authentification a l'ordinateur local, et facilite l'utilisation par l'utilisateur du service correspondant.

9/5/34 (Item 34 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00499108

**HIGHLY-DISTRIBUTED SERVERS FOR NETWORK APPLICATIONS**  
**SERVEURS HAUTEMENT DISTRIBUES POUR APPLICATIONS RESEAU**

Patent Applicant/Assignee:

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Inventor(s):

GUPTA Amit ,

ROM Raphael

Patent and Priority Information (Country, Number, Date):

Patent: WO 9930460 A2 19990617

Application: WO 98US26151 19981209 (PCT/WO US9826151)

Priority Application: US 97988205 19971210

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI  
GB GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN  
YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML  
MR NE SN TD TG

Main International Patent Class: H04L-012/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8460

**English Abstract**

A number of techniques permit a plurality of servers to provide access to information replicated on the servers and accessed by connecting to a well published address. One approach involves an extension of multicasting in which source specifics joins and leaves are utilized to partition the address space to be serviced by a particular server. When a different address space allocation is desired in accordance with the load balancing policy, a plurality of techniques are utilized to ensure that a connected user obtains the needed information. A second approach involves an extension to the TCP protocol to enable dynamic TCP designations. With this option, a sender provides a tag and a cookie which a server can use. A server replies with a tag, a cookie and destination information. A security mechanism can be utilized to prevent the connection from being hijacked when a "change destination" message is sent. The third approach utilizes tag switching. A pool of servers is supported behind at least one virtual IP address. The servers servicing that IP address set up a family of tag switch trees, one for each server. When a virtual IP machine receives a tag-less packet, it directs one or more upstream routers to either an actual IP address to which subsequent packets should be directed or to a tag switched tree to which the connection should be directed. In this manner, dynamic load balancing among servers handling connection requests to a well published network address can be achieved.

**French Abstract**

Plusieurs techniques permettent a une pluralite de serveurs de fournir des acces a de l'information repliquee sur des serveurs, l'accès utilisant en l'occurrence une connexion a une adresse du domaine public. L'une des approches implique une extension de la multidiffusion dans lesquelles des articulations et des feuilles specifiques d'une source servent a partitionner l'espace d'adressage devant etre desservi par un serveur particulier. Lorsqu'on desire l'affectation d'un espace d'adressage different pour tenir compte de regles d'equilibrage des

charges, on utilise différentes techniques permettant de s'assurer que l'utilisateur connecte reçoit bien l'information voulue. Une autre approche implique une extension aboutissant au protocole TCP de façon à permettre une désignation dynamique des TCP. Avec cette option, un émetteur fournit une étiquette et un tampon utilisables par un serveur. Un serveur réagit avec une étiquette, un tampon, et une information de destination. Il est possible d'utiliser un mécanisme de sécurité empêchant l'interception d'une connexion lors de l'envoi d'un message de changement de destination. La troisième approche utilise la commutation d'étiquettes. Un groupe de serveurs utilise un adossement à au moins une adresse IP virtuelle. Les serveurs desservant cette adresse IP établissent une famille d'arbres de commutation d'étiquettes, à raison d'un arbre pour chaque serveur. Lorsqu'une machine IP virtuelle reçoit un paquet sans étiquette, elle oriente au moins un module amont d'acheminement, soit vers une adresse IP réelle sur laquelle il faut désormais diriger la suite des paquets, soit vers un arbre à commutation d'étiquettes sur lequel la connexion doit être renvoyée. Il est ainsi possible de réaliser une répartition dynamique de la charge entre serveurs traitant les demandes de connexion se rapportant à des adresses d'un réseau du domaine public.

9/5/35 (Item 35 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00275369

**A BROADBAND SWITCHING FABRIC IN A COMMUNICATION CONTROLLER**

**STRUCTURE DE COMMUTATION A LARGE BANDE POUR CONTROLLEUR DE COMMUNICATION**

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Inventor(s):

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WEISBLOOM John D

Patent and Priority Information (Country, Number, Date):

Patent: WO 9423545 A1 19941013

Application: WO 94US405 19940110 (PCT/WO US9400405)

Priority Application: US 9342826 19930405

Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR  
KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE  
DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN  
TD TG

Main International Patent Class: H04Q-011/04

International Patent Class: H04L-12:56

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 14228

**English Abstract**

A method and apparatus for exchanging communication cells in a communication controller, wherein an arbiter determines transmission requests for each of a plurality of communication modules in the communication controller. Each communication module has a transmit signal line and a receive signal line coupled to a switching circuit in the communication controller. The arbiter selectively couples the transmit signal lines to the receive signal lines according to the transmission requests. The communication modules transmit communication cells through the switching circuit, while the arbiter determines new transmission requests from each communication module.

**French Abstract**

L'invention concerne un procédé et un appareil destinés à l'échange de